TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION Réf : 401 016-02 - EN/DIS

XT 100 XT 130 XT 160 XT 210 XT 240



Sulky Burel

Les Portes de Bretagne P.A. de la Gaultière – 35220 CHATEAUBOURG France Tél :(33)02-99-00-84-84 · Fax : (33)02-99-62-39-38 Adresse postale : SULKY-BUREL – CS 20005 – 35538 NOYAL SUR VILAINE CEDEX France



E-Mail : info@sulky-burel.com Web : www.sulky-burel.com

XT - VISION	SUMMARY	SULKY

SUMMARY	PAGE NO.
I- Technical files	3 - 100
II- Diagnostic procedures	101 - 107

To respect the safety and usage instructions, please refer to the user manuals which refer to the fertiliser distributor and electronic console

NAME: TRAINING DEPARTMENT	Date: 04/2018	PAGE: 2/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02



FILE NO.	TECHNICAL FILES	PAGE NO.
A1.1	Wiring presentation: XT100/130/160 VISION DPB	4 - 5
A1.2	Connection plan: XT100/130/160 VISION DPB	6
A1.3	Intermediate wiring: XT100/130/160 VISION DPB	7
A2.1	Wiring presentation: XT100/130/160 VISION DPB + WEIGHING OPTION	8 - 9
A2.2	Connection plan: XT100/130/160 VISION DPB + WEIGHING OPTION	10
A2.3	Intermediate wiring: XT100/130/160 VISION DPB + WEIGHING OPTION	11
Δ3.1	Wiring presentation: XT 100/130 FCONOV	12 - 13
A3.2	Connection plan: XT 100/130 ECONOV	14
A3.3	Intermediate wiring: XT 100/130 ECONOV	15
A3.4	Manual control: XT ECONOV	16
A3.5	Connection to the MATRIX PRO guide bars	17 - 19
A4.1	Wiring presentation: XT 100/130 ECONOV + WEIGHING OPTION	20 - 21
A4.2	Connection plan: XT 100/130 ECONOV + WEIGHING OPTION	22
A4.3	Intermediate wiring: XT 100/130 ECONOV + WEIGHING OPTION	23
A4.4	Manual control: XT ECONOV	24
A4.5	Connection to the MATRIX PRO guide bars	25 - 27
A5.1	Wiring presentation: XT 160 H / 210 H / 240 H DS2	28 - 29
A5.2	Connection plan: XT 160H / 210H / 240H DS2	30
A5.3	Intermediate wiring: XT 160H / 210H / 240H DS2	31
NG 1	Wiring precentation: XT 160/210/240 H	27
Δ6.2	Connection plan: XT 160H/210H/240H RD1	32
A6.3	Connection plan: IOYSTICK - RD1	34
A7.1	Wiring presentation: XT 160/210/240 H RD2	36 - 37
A7.2	Connection plan: XT 160/210/240 H RD2	38
Δ7.4	Connection plan: IOYSTICK – BD2	40
<u>A8.1</u>	Wiring presentation: XT 160/210/240 H RD3	42 - 43
<u>A8.2</u>	Lonnection plan: XT 160/210/240 H KD3	44
Δ8.3	Connection plan: IOYSTICK - RD3	45
<u> </u>		47 40
<u>B1</u>	Power cables	47 - 48
<u>BZ</u>	Forward speed sensor	49
B/	TPIROPD actuator	52 - 54
B5	RD1 – RD2 boom valve actuators	55
B6	D3 boom valve actuators	56 - 57
B7	ECONOV actuators on spouts	58 - 59
B8	Disk rotation sensor	60
B9	Boom auger rotation sensor	61
B10	Weighing sensor	62 - 63
B11	Weighing calibration	64 - 68
B12	Replacement of a weighing sensor	69 - 70
B13	Ine CAN module	/1-/2
D14		/3 - /4
C1	Diagnostic menu	75 - 76
D1	Retrieving the Vision DPB Polyvrac console data	77 - 82
D2	Vision XT Polyvrac console data form	83 - 87
D3	Performing a console RESET	88
D4	Configuring the Vision XT Polyvrac console	89 - 96
E1	FERTITEST - RTS import	97
E2	Dose modulation - Recommendation card	98 - 100

NAME: TRAINING DEPARTMENT

DATE: 04/2018







NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 4/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02

WIRING PRESENTATION: XT100/130/160 VISION DPB



ITEMS	DESCRIPTIONS	PART REFERENCES
	Vision PSI XT Polyvrac console	51460040
2	Console power supply cable	51000290
3	XT intermediate wiring	51000390
		Cable: 51000270
4	40 A battery direct power supply cable	40 A fuse 52570120
5	DPB XT Polyvrac connection unit	50500440
6		Actuator: 59000643
	300 mm gate electric actuators	Power cable: 51000240
⊘	NIOUEI. LA 30 -1203000P00AA	Signal cable: 51000250
8	Inductive sensor - Forward speed	51520150
9	TRIBORD 3D electric actuator – 50 mm	29020120



CONNECTION PLAN: XT100/130/160 VISION DPB



24 pins plug



NAME: TRAINING DEPARTMENT

DATE: 04/2018

PAGE: 6/109



INTERMEDIATE WIRING: XT100/130/160 VISION DPB





		ΡιΝ	COLOUR			4
		1 113	COLOOK	Econov Ponchon	50-w	AY CONNECTOR
⊕ 3 4⊕	g	ៗ 1 red		6		
	ED I	2	brown		5	
₩ ₽ ⊕ > ⊕		3	blue		4	
		4	purple	Not used	3	
	N N N	5	green		2	
	_	6	yellow		1	
			black		17	
	G	Ριν	COLOUR	FUNCTION	(4)	
4	л _с	1	green		8	
5 ⊕ € 3		2	white		7	
		3	yellow	Not used	24	
1 $\frac{1}{2}$	1 N	4	black		48	50 17
	2	5	red		39	33
			-			
		ΡιΝ	COLOUR	FUNCTION	(4)	
		1	red / blue	Left flow rate actuator signal	25	
		2	white / red	Right flow rate actuator signal	42	
		3	white	Not used	20	
		4	green	Forward movement speed	36	
			blue	Not used	37	
		6		-		
		7		-		
		8	red / brown	Left - flow rate actuator	48	
	(7	9	red / black	Left + flow rate actuator	47	
	LLU LLU	10	red	Right - flow rate actuator	50	
$15^{\circ} \circ \circ \circ \circ_{10}^{\circ}$	PIN I	11	yellow	Right + flow rate actuator	49	
0 0 0 0 0 0 0	24-1	12	Turquoise	Tribord actuator signal	38	18
	(SPR	13		-		34 1
	EM	14	grey	0 V	32	
	ш	15	pink	+ 5V actuator	28	
		16	brown	Power supply detection	6	
		17	yellow / red	Tribord + actuator	17	
		18	green / red	Tribord - actuator	16	
		19		-		
		20		-		
		21	1-1 I	-		
		22	black	Not used	34	
		23	purple	Not used	44	
			Orange	Not used	45	

NAME: TRAINING DEPARTMENT

DATE: 04/2018

PAGE: 7/109







NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 8/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02

WIRING PRESENTATION: XT100/130/160 VISION DPB + WEIGHING OPTION



ITEMS	DESCRIPTIONS	PART REFERENCES
	Vision PSI XT Polyvrac console	51460040
2	Console power supply cable	51000290
3	XT intermediate wiring	51000390
	40 A battery direct newer supply cable	Cable: 51000270
4	40 A battery direct power supply cable	40 A fuse 52570120
5	DPB XT Polyvrac connection unit	50500440
		Actuator: 59000643
	300 mm gate electric actuators	Power cable: 51000240
	Middel: LA 36 -1203000P00AA	Signal cable: 51000250
8	Inductive sensor - Forward speed	51520150
9	TRIBORD 3D electric actuator – 50 mm	29020120
10	CAN connection unit	55330050
•	Weighing extensiometer sensors (2 sensors)	51400020

NAME: TRAINING DEPARTMENT

DATE: 04/2018



PAGE: 10/109

IND 02



		PIN	COLOUR			4
				50-w	AY CONNECTOR	
⊕3 4 ⊕	g	1	red		6	
	L PL	2	brown		5	
⊕∠ ⊕ ⊃⊕	L us	3	blue		4	
• • • • • • • • • • • • • • • • • • •	LE 7	4	purple	Not used	3	
	¥₹	5	green		2	
	_	6	yellow		1	
			black		17	
	U	Pin	COLOUR	FUNCTION	4	
÷	D LU	1	green		8	
5 ⊕ ⊕ 3		2	white		7	
	· · · · · ·	3	yellow	Not used	24	
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \\ 1 \end{array} \end{array} \end{array} $	N	4	black		48	50 17
	2	5	red		39	33
		_		_		
		ΡιΝ	COLOUR	FUNCTION	(4)	
		1	red / blue	Left flow rate actuator signal	25	
		2	white / red	Right flow rate actuator signal	42	
		3	white	Not used	20	
		4	green	Forward movement speed	36	
		5	blue	Not used	37	
		6		-		
		/		-		
_		8	red / brown	Left - flow rate actuator	48	
	U	9 10	red / black	Left + flow rate actuator	4/	
$9^{\circ \circ \circ \circ}_{5}$) Frn	10	red	Right - flow rate actuator	50	
15°	PIN	11	yellow	Right + flow rate actuator	49	
20 0 0 0 0 0	24- 24-	12	Turquoise	I ribord actuator signal	38	3/1 1
24 21	ALE (SP	13		-	22	
	Σ	14	grey		32	
	_	15	pink brown	+ 5V actualor	28	
		10			17	
		10	groop / red		1/	
		10	green/reu		10	
		20		-		
		20				
		21	black	- CAN activation	34	
		22	nurnle		34 1/1	
		23	Orange	CAN LO	44	
		24	Uralige	CAN LO	45	

NAME: TRAINING DEPARTMENT

DATE: 04/2018

PAGE: 11/109



WIRING PRESENTATION: XT 100/130 ECONOV





NAME: TRAINING DEPARTMENT	Date: 04/2018	PAGE: 12/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02



Ιτεμ	DESCRIPTIONS	PART REFERENCES
	Vision PSI XT Polyvrac console	51460040
2	Console power supply cable	51000290
3	XT intermediate wiring	51000390
		Cable: 51000270
4	40 A battery direct power supply cable	40 A fuse 52570120
5	DPB XT Polyvrac connection unit	50500440
6		Actuator: 59000703
	250 mm gate electric actuators	Power cable: 51000240
	WOULEI. LA 30 -1202300F00AA	Signal cable: 51000250
8	Inductive sensor - Forward speed	51520150
9	TRIBORD 3D electric actuator – 50 mm	29020140

Ітем	DESCRIPTIONS	PART REFERENCES
10	CAN connection unit	55330050
12	ECONOV spout actuators – 130 mm	29020150
13		
14	ECONOV manual control	50500460
15	Matrix 840 GS guide bar	51460030
16	Section management (Smartboom)	54500290
17	GPS antenna	50180020

NAME:	TRAINING	DEPARTMENT
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DATE: 04/2018

XT - VISION A3.2

CONNECTION PLAN: XT 100/130 ECONOV





NAME: TRAINING DEPARTMENT	
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DATE: 04/2018

IND 02



	_	Pin	COLOUR ECONOV FUNCTION		(4)	
	ENT (50-w	AY CONNECTOR
⊕ 3 4⊕	EM PLUC	1	red	L external section	6	
		2	brown	L central section	5	
	MA T	3	blue	L internal section	4	
⊕1 _6 [⊕]	1ALE TON	4	purple	R internal section	3	
	ECT 2	5	green	R central section	2	
	5	6	yellow	R external section	1	
			black	0 V	17	
	с С	Ριν	COLOUR	FUNCTION	4	
	PLU	1	green	Left hatch control	8	
5 ⊕ € 3		2	white	Right hatch control	7	
	UAL ES	3	yellow	Manual / Auto control	24	
	1 AL	4	black	0 V	48	50 17
	<u> </u>	5	red	+ 12 V	39	33
		_	•	_		
		PIN	COLOUR	FUNCTION	4	
		1	red / blue	Left flow rate actuator signal	25	
		2	white / red	Right flow rate actuator signal	42	
		3	white	Not used	20	
		4	green	Forward movement speed	36	
		5	blue	Not used	37	
		6		-		
		/		-	10	
_		8	red / brown	Left - flow rate actuator	48	
4	g	9	red / black	Left + flow rate actuator	47	
900005	er)	10	rea	Right - flow rate actuator	50	
	-PIN	11	yellow	Right + flow rate actuator	49	
20 0 0 0 0 0 16	2 2	12	Turquoise	Tribord actuator signal	38	34 1
24 21	ALE (S	10	grov	-	22	
	E E	14	giey		32 20	
		15	brown	Power supply detection	<u> </u>	
		10	vellow / red	Tribord + actuator	17	
		18	green / red	Tribord - actuator	16	
		19	giceii/ieu		10	
		20		_		
		20		-		
		22	black	CAN activation	34	
		22	purple	CAN Hi	44	
		23	Orange	CAN LO	45	
		4 7	Orange	6/11/20		

NAME: TRAINING DEPARTMENT

DATE: 04/2018

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XT - VISION
A3.4
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49PINCOLOURFUNCTION1YellowLeft hatch control2GreenRight hatch control3RedManual / Auto control4White0 V5Brown+12 V					On/Off Muto	
41YellowLeft hatch control35GreenRight hatch control3RedManual / Auto control4White0 V5Brown+12 V			ΡιΝ	COLOUR	FUNCTION	
352GreenRight hatch control3RedManual / Auto control4White0 V5Brown+ 12 V	4	ILUG	1	Yellow	Left hatch control	
SinceSinceSinceSinceSinceSinceManual / Auto control214White0 V5Brown+ 12 V	3 05	A NIA-	2	Green	Right hatch control	
2 1 4 White 0 V 5 Brown + 12 V		ALE 5.	3	Red	Manual / Auto control	
5 Brown + 12 V	2 1	FEM	4	White	0 V	
			5	Brown	+ 12 V	

Operation:

The command sends the CAN VISION console a OV signal to open each hatch manually.

When auto mode is activated, the command sends OV to terminal No. 3. In this case, the hatch command order will come from the section disconnection.

XT - VISION A3.5.1

CONNECTION TO THE MATRIX PRO GUIDE BARS





NAME: TRAINING DEPARTMENT

DATE: 04/2018



GUIDE BARS



A3.5.2

11:18 ወ MAHN 3- Configuring the VISION II console SETUP. 1. SENSOR CONFIGURATION HZEO \Rightarrow Use the **()** key to access the **SETUP** menu. 2. TECHNICIAN CONFIG 3. FACTORY CONFIG ⇒ Then select **4** – **General PF setup** with the 4. GENERAL PF SETUP SET number pad. *. DIAGNOSTICS 11 21 👿 📈 ≗STAT. MAHN GENERAL PF SETUP 1. LOGGING INTERVAL HNEO 2. TAG NAMES 3. FUNCTION NAME/VALUE ⇒ Select 6 – Ports setup with the number pad. 4. GPS ANTENNA OFFSETS SET 5. GPS Baudrate ▶6. PORTS SETUP ESC 13:59 🗙 🗙 **≜**STAT. MAHZ PORTS SETUP INFO TOP PORT ⇒ On the upper Port, select with the **I B "GPS** GPS_On19 **Only**" keys and validate with **C**. BOTTOM PORT SET ⇒ Press **ESC**. RDS PF MODULE ESC 14:06 🗙 🗙 ≗STAT. DTZHZ HZTO SELECT GPS BAUDRATE ⇒ In the General PF setup menu, select 5- GPS 4800 Baudrate with the number pad ⇒ Select **19200** with **→ →** and validate with **→** 9600 SET 19200 ESC

 NAME: TRAINING DEPARTMENT
 DATE: 04/2018
 PAGE: 18/109

 REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION
 IND 02





GUIDE BARS

4- Validate the forward movement speed	15 10 ← I I CAL
⇒ In the REG menu select	1. \bigcirc 1.000 m/Pulse $\stackrel{\text{I}}{\text{N}}$ 2. \bigcirc 1.000 m/Pulse $\stackrel{\text{I}}{\text{N}}$
Select ►5. X NMEA UTG with the ▲ with the with with the with with the with with with with with with with with	3. ③ 2.000 m/Pulse 5 4. ◇ 0.016 m/Pulse 5 ▶5. 炎 NMEA VTG
There is no speed calibration (over 100m) to be made. The speed is automatically correct.	
5- The GPS reception may be checked: In the INFO menu, press 🔊 then 🐨?	14:02 ★ ★ ▲STAT. M GPS STATUS REPORT I AGE OF FIX DATA: >1s I SAT'S: 8 Diff: NO N LAT: 48.117298° FO LONG: 11.516666° FO ALT: 188.0mAMSL FO HDG: 8.1° FO VEL: 0.0km/h FO

Smart boom connection plan:

	SMART	BOOM RS 232 PLUG	
Ριν	COLOUR	FUNCTION	
3	Brown	ТХ	
4	Green	RX (NMEA signal)	
8	White	0 V	
			5
	SMAR	BOOM 7-PIN PLUG	2
Pin	Smar Colour	T BOOM 7-PIN PLUG ECONOV FUNCTION	
Pin 1	SMAR ⁻ COLOUR Pink	BOOM 7-PIN PLUG ECONOV FUNCTION L external section	
Pin 1 2	Smar Colour Pink Blue	EXAMPLES ECONOV FUNCTION L external section L central section	
PIN 1 2 3	SMAR COLOUR Pink Blue White	BOOM 7-PIN PLUG ECONOV FUNCTION L external section L central section L internal section	
PIN 1 2 3 4	SMAR COLOUR Pink Blue White Brown	BOOM 7-PIN PLUG ECONOV FUNCTION L external section L central section L internal section R internal section	
PIN 1 2 3 4 5	SMAR COLOUR Pink Blue White Brown Green	BOOM 7-PIN PLUG ECONOV FUNCTION L external section L central section L internal section R internal section R central section	
PIN 1 2 3 4 5 6	SMAR COLOUR Pink Blue White Brown Green Yellow	BOOM 7-PIN PLUG ECONOV FUNCTION L external section L central section L internal section R internal section R central section R external section	

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 19/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL P	OLYVRAC XT VISION	IND 02



WIRING PRESENTATION: XT 100/130 ECONOV+ WEIGHING OPTION





NAME: TRAINING DEPARTMENT	Date: 04/2018	PAGE: 20/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02

A4.1



Ιτεμ	DESCRIPTIONS	PART REFERENCES
	Vision PSI XT Polyvrac console	51460040
2	Console power supply cable	51000290
3	XT intermediate wiring	51000390
	40 A battony direct power supply cable	Cable: 51000270
\bigcirc	40 A battery direct power supply cable	40 A fuse 52570120
5	DPB XT Polyvrac connection unit	50500440
6		Actuator: 59000703
C	250 mm gate electric actuators	Power cable: 51000240
	WOULEI. LA 30 -1202300F00AA	Signal cable: 51000250
8	Inductive sensor - Forward speed	51520150
9	TRIBORD 3D electric actuator – 50 mm	29020140

Ітем	DESCRIPTIONS	PART REFERENCES	
10	CAN connection unit	55330050	
•	Weighing extensiometer sensors (2 sensors)	51400020	
12	E(ONOV should actuators - 130 mm	20020150	
13		29020150	
14	ECONOV manual control	50500460	
15	Matrix 840 GS guide bar	51460030	
16	Section management (Smartboom)	54500290	
17	GPS antenna	50180020	

NAME: TRAINING DEPARTMENT	DATE: 04/2018



actuator control C bite	A LEFT ACTUATOR LEFT ACTUATOR B RIGHT ACTUATOR	White Turquoise W/C Grey Blue Green Pink Black X/C Green / Red	- Actuators OV
DPB junction box	flow actuator position for the form of the form position black for the form for the form of the form of the form for the form of the form	IN Fellow / Red	40 A power supply $5 \circ $

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 22/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL	L POLYVRAC XT VISION	IND 02



INTERMEDIATE WIRING: XT 100/130 ECONOV+ WEIGHING OPTION





	_	ΡιΝ	COLOUR	ECONOV FUNCTION		4
	E J				50-w	AY CONNECTOR
⊕ 3 4⊕	STUC	1	red	L external section	6	
1	Image: Construction of the second sec	2	brown	L central section	5	
		3	blue	L internal section	4	
⊕1 _ 6 [⊕]		4	purple	R internal section	3	
	≥ L	5	green	R central section	2	
	(S	6	yellow	R external section	1	
			black	0 V	17	
	G OL)	Ριν	COLOUR	FUNCTION	4	
→	PLU	1	green	Left hatch control	8	
5 ⊕ € 3		2	white	Right hatch control	7	
		3	yellow	Manual / Auto control	24	
	1 AN	4	black	0 V	48	50 17
	2 ع	5	red	+ 12 V	39	33
		Ριν	COLOUR	FUNCTION	(4)	
		1	red / blue	Left flow rate actuator signal	25	
		2	white / red	Right flow rate actuator signal	42	
		3	white	Not used	20	
		4	green	Forward movement speed	36	
		5	blue	Not used	37	
		6		-		
		7		-		
		8	red / brown	Left - flow rate actuator	48	
		9	red / black	Left + flow rate actuator	47	
	, rne	10	red	Right - flow rate actuator	50	
	IN P DER	11	yellow	Right + flow rate actuator	49	
	2 (14-p	12	Turquoise	Tribord actuator signal	38	18
200000000	(SP (SP	13		-		34 1
	E MA	14	grey	0 V	32	
	Ē	15	pink	+ 5V actuator	28	
		16	brown	Power supply detection	6	
		17	yellow / red	Tribord + actuator	17	
		18	green / red	Tribord - actuator	16	
		19		-		
		20		-		
		21		-		
		22	black	CAN activation	34	
		23	purple	CAN Hi	44	
		24	Orange	CAN Lo	45	

NAME: TRAINING DEPARTMENT

DATE: 04/2018

PAGE: 23/109

ХΤ	- VISION
	A4.4





Operation:

The command sends the CAN VISION console a OV signal to open each hatch manually.

When auto mode is activated, the command sends OV to terminal No. 3. In this case, the hatch command order will come from the section disconnection.

XT - VISION

A4.5.1

CONNECTION TO THE MATRIX PRO GUIDE BARS





DATE: 04/2018



GUIDE BARS



A4.5.2

11:18 ወቅ MAHN 3- Configuring the VISION II console SETUP. 1. SENSOR CONFIGURATION HNHO \Rightarrow Use the **()** key to access the **SETUP** menu. 2. TECHNICIAN CONFIG 3. FACTORY CONFIG ⇒ Then select **4** – **General PF setup** with the 4. GENERAL PF SETUP SET number pad. *. DIAGNOSTICS 11 21 👿 📈 ≗STAT. MAHN GENERAL PF SETUP 1. LOGGING INTERVAL HNEO 2. TAG NAMES 3. FUNCTION NAME/VALUE ⇒ Select 6 – Ports setup with the number pad. 4. GPS ANTENNA OFFSETS SET 5. GPS Baudrate ▶6. PORTS SETUP ESC 13:59 🗑 🟹 **≜**STAT. MAHZ PORTS SETUP INFO TOP PORT ⇒ On the upper Port, select with the **I B "GPS** GPS_On19 **Only**" keys and validate with **C**. BOTTOM PORT SET ⇒ Press **ESC**. RDS PF MODULE ESC 14:06 🗙 🗙 ≗STAT. DTZHZ HZTO SELECT GPS BAUDRATE ⇒ In the General PF setup menu, select 5- GPS 4800 Baudrate with the number pad ⇒ Select **19200** with **→ →** and validate with **→** 9600 SET 19200 ESC

 NAME: TRAINING DEPARTMENT
 DATE: 04/2018
 PAGE: 26/109

 REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRACXT VISION
 IND 02



CONNECTION TO THE MATRIX PRO



GUIDE BARS

4- Validate the forward movement speed	15 10 ← I I CAL
→ In the REG menu select	1. \bigcirc 1.000 m/Pulse $\stackrel{I}{N}$ 2. \bigcirc 1.000 m/Pulse $\stackrel{I}{N}$
Select ► 5. Solution Selec	4. ◇ 0.016 m/Pulse 0 ▶ 5. 炎 NMEA VTG
There is no speed calibration (over 100m) to be made. The speed is automatically correct.	
5- The GPS reception may be checked: In the INFO menu, press I then 	14:02 ★ ★ ▲STAT. M <u>GPS STATUS REPORT</u> AGE OF FIX DATA: >1s SAT'S: 8 Diff: NO LAT: 48.117298° LONG: 11.516666° ALT: 188.0mAMSL HDG: 8.1° VEL: 0.0km/h ESC

Smart boom connection plan:

	SMART	BOOM RS 232 PLUG	
ΡιΝ	COLOUR	FUNCTION	
3	Brown	ТХ	
4	Green	RX (NMEA signal)	
8	White	0 V	
			5
	SMAR	BOOM 7-PIN PLUG	
Pin	Smar Colour	F BOOM 7-PIN PLUG ECONOV FUNCTION	
Pin 1	SMAR ⁻ COLOUR Pink	F BOOM 7-PIN PLUG ECONOV FUNCTION L external section	
Pin 1 2	SMAR COLOUR Pink Blue	F BOOM 7-PIN PLUG ECONOV FUNCTION L external section L central section	
PIN 1 2 3	SMAR COLOUR Pink Blue White	T BOOM 7-PIN PLUG ECONOV FUNCTION L external section L central section L internal section	
PIN 1 2 3 4	SMAR COLOUR Pink Blue White Brown	ECONOV FUNCTION L external section L central section L internal section R internal section	
PIN 1 2 3 4 5	SMAR COLOUR Pink Blue White Brown Green	EXAMPLES ECONOV FUNCTION L external section L central section L internal section R internal section R central section	$ \begin{array}{c} $
PIN 1 2 3 4 5 6	SMAR COLOUR Pink Blue White Brown Green Yellow	ECONOV FUNCTION L external section L central section L internal section R internal section R central section R central section R external section	$ \begin{array}{c} $

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 27/109
REFERENCE: TECHNICIAN'S OPERATING MANUA	L POLYVRAC XT VISION	IND 02







NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 28/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02

WIRING PRESENTATION: XT 160 H / 210 H / 240 H DS2



ITEMS	DESCRIPTIONS	PART REFERENCES
	Vision PSI XT Polyvrac console	51460040
2	Console power supply cable	51000290
3	XT intermediate wiring	51000390
4	40 A battery direct power supply cable	Cable: 51000270 40 A fuse 52570120
5	DPB XT Polyvrac connection unit	50500440
6 7	300 mm gate electric actuators Model: LA 36 -1203000P00AA	Actuator: 59000643 Power cable: 51000240 Signal cable: 51000250
8	Inductive sensor - Forward speed	51520150
9	TRIBORD 3D electric actuator – 50 mm	29020120
10	CAN connection unit	55330050
•	Weighing extensiometer sensors (2 sensors on single axle / 3 sensors on double axle)	51400020
23	Disk rotation rate inductive sensor	51520150

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 29/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02

XT - VISION A5.2

CONNECTION PLAN: XT 160H / 210H / 240H DS2





NAME: TRAINING DEPARTMENT

DATE: 04/2018

IND 02



		ΡιΝ	COLOUR	ECONOV FUNCTION	F0	4
	G				50-w/	AY CONNECTOR
⊕3 4⊕	⊕ 3 4⊕ ⊕ 2 ⊕ ⊕ 5⊕ ⊕ 1 025 00 00 000 000 000 000 000 000 000 0	1	red		6	
2 5		2	brown		5	
		3	blue		4	
⊕1 _6 [⊕]	A LE	4	purple	Not used	3	
	2	5	green		2	
		6	yellow		1	
			black		17	
4	ŋ	ΡιΝ	COLOUR	FUNCTION	4	
÷	D FL	1	green		8	
5 ⊕ ⊕ 3		2	white		7	
		3	yellow	Not used	24	
	A A	4	black		48	50 17
	۲	5	red		39	33
		D	6	-		
		PIN	COLOUR	FUNCTION	4	
		1	red / blue	Left flow rate actuator signal	25	
		2	white / red	Right flow rate actuator signal	42	
		3	white	Not used	20	
		4	green	Forward movement speed	36	
		5	blue	Spreading disk rate	37	
		6		-		
		7		-	10	
_		8	red / brown	Left - flow rate actuator	48	
4	U	9	red / black	Left + flow rate actuator	4/	
$9^{\circ \circ \circ \circ}_{5}$	BLU	10	red	Right - flow rate actuator	50	
	PIN	11	yellow	Right + flow rate actuator	49	
20 20 16	2 4- 2	12	Turquoise	Iribord actuator signal	38	24 1
24 0 0 21	ALE (S	13		-	22	34
	Ä	14	grey		32	
	-	15	ріпк	+ 5V actuator	28	
		16	brown	Power supply detection	6	
		1/	yellow / red		1/	
		18	green / red	i ribora - actuator	10	
		19		-		
		20		-		
		21	blesk	- CAN activation	24	
		22	DIACK		34	
		23	purpie		44	
		24	Orange	LAN LO	45	

NAME: TRAINING DEPARTMENT

DATE: 04/2018



WIRING PRESENTATION: XT 160/210/240 H RD1





Ітемѕ	DESCRIPTIONS	PART REFERENCES
18 19	Boom valve electric actuator without sensor Model: LA 3510A0+0 A 100A20	Actuator: 59000630 Power cable: 51000300
20	Ergonomic handle connection unit	50500500
21	Ergonomic handle	56520120
22	Solenoid valve connectors to hydraulic unit	

NAME: TRAINING DEPARTMENT

DATE: 04/2018

REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION

PAGE: 32/109

XT - VISION A6.2







Handle cabling:

Bouton 1 (ON / OFF / ON)		
Bouton 2 (MOM / OFF / MOM) Bouton 3 (MOM / OFF / MOM) Bouton 4 (Potentiomètre) Bouton 5 (ON / OFF + LED) Bouton 5 (ON / OFF + LED) Bouton 6 (MOM / OFF / MOM)	Transparent12111099Violet98787656543Vert/jaune20range1	GNDBrunDémarrage Bout de champ si $0V(\uparrow)$ / Arrêt Bout de champ si $+12V(\downarrow)$ (1)ON si $+12V$ (LED ON) / OFF si $0V$ (LED OFF) (5) $+12V$ Régulation proportionnelle (4)Vérin él G sur B6 si $0V(\uparrow)$ / Vérin él G sur B5 si $+12V(\downarrow)$ (2)Vérin él D sur B6 si $0V(\uparrow)$ / Vérin él D sur B7 si $+12V(\downarrow)$ (3)Montée Dévers si $0V(\uparrow)$ / Dépliage si $0V(\downarrow)$ (interrupteur différent) (2)

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 34/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL P	IND 02	

IND 02

XT - VISION	Νοτι	ES	SULKY
	CULSYD:		
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1			
		6	
Name: Training departm	ENT	DATE: 04/2018	PAGE: 35/109
REFERENCE: TECHNICIAI	N'S OPERATING MANUAL POLYVRAC XT VISIC	DN	02 מאו







NAME: TRAINING DEPARTMENT

DATE: 04/2018

PAGE: 36/109


ΙτεΜ	DESCRIPTIONS	PART REFERENCES
	Vision PSI XT Polyvrac console	51460040
2	Console power supply cable	51000290
3	XT intermediate wiring	51000390
4	40 A battery direct power supply cable	Cable: 51000270 40 A fuse 52570120
5	DPB XT Polyvrac connection unit	50500440
6 7	300 mm gate electric actuators Model: LA 36 -1203000P00AA	Actuator: 59000643 Power cable: 51000240 Signal cable: 51000250
8	Inductive sensor - Forward speed	51520150
9	TRIBORD 3D electric actuator – 50 mm	29020120

Ітем	DESCRIPTIONS	PART REFERENCES
10	CAN connection unit	55330050
•	Weighing extensiometer sensors (2 sensors on single axle / 3 sensors on double axle)	51400020
18	Boom valve electric actuator without	Actuator: 59000630
19	Model: LA 3510A0+0 0 100A20	Power cable: 51000300
20	Ergonomic handle connection unit	50500500
21	Ergonomic handle	56520120
22	Solenoid valve connectors to hydraulic unit	
23	Disk rotation rate inductive sensor	51520150
24	Boom rotation rate inductive sensor	51520150

NAME:	TRAINING	DEPARTMENT
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DATE: 04/2018





		ΡιΝ	Colour	ECONOV FUNCTION	5 0 -w	4 AY CONNECTOR
3 4	g	1	red		6	
	ED L	2	brown		5	
<mark>⊕2 ⊕ 5</mark> ⊕		2	blue		<u> </u>	
		4	nurnle	Not used	3	
⊕1_6 ⊕	×₹	5	green	Not used	2	
		6	vellow		1	
		- O	black		17	
			black		1,	
4	g	ΡιΝ	COLOUR	FUNCTION	4	
÷	E Fr	1	green		8	
5 ⊕ ⊕ 3		2	white		7	
		3	yellow	Not used	24	
		4	black		48	50 17
	۲	5	red		39	33
		ΡιΝ	COLOUR	FUNCTION		
		1	rod / blue	Loft flow rate actuator signal	25	
		2	white / rod	Pight flow rate actuator signal	42	
		2	white / Teu	Right how rate actuator signal	42	
		3	white	Boom auger rate	20	
		4	green	Forward movement speed	30	
		5	blue	Spreading disk rate	37	
		0		-		
		/	rad / brown	-	40	
_		<u> </u>			48	
	I PLUG	9	red / Diack	Pight flow rate actuator	47 E0	
900005		10	reu	Right - flow rate actuator	30	
		12	Turquoico	Tribord actuator signal	49	
20 0 0 0 16	C 7	12	Turquoise		50	34 1
24 0 0 21	IALE (S	13	grov	0.1	27	
	E E	14	nink	+ 5V actuator	28	
		15	brown	Power supply detection	6	
		10	vellow / red	Tribord + actuator	17	
		18	groop / red		16	
		10	gicen/ieu		10	
		20			+	
		20			+	
		21	black	CAN activation	2/1	
		22	nurnle		<u> </u>	
		23	Orange	CANIO	45	
		24	Utalige		4,5	

NAME: TRAINING DEPARTMENT

DATE: 04/2018

XT - VISION A7.4





XT - VISION	Notes	SULKY
1	1200	
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2	Sor F-	(LA
1º		
Name: Training departmi	ENT DATE: 04/2018	PAGE: 41/109 IND 02





DATE: 04/2018

PAGE: 42/109



ΙτεΜ	DESCRIPTIONS	P ART REFERENCES
	Vision PSI XT Polyvrac console	51460040
2	Console power supply cable	51000290
3	XT intermediate wiring	51000390
4	40 A battery direct power supply cable	Cable: 51000270 40 A fuse 52570120
5	DPB XT Polyvrac connection unit	50500440
6 7	300 mm gate electric actuators Model: LA 36 -1203000P00AA	Actuator: 59000643 Power cable: 51000240 Signal cable: 51000250
8	Inductive sensor - Forward speed	51520150
9	TRIBORD 3D electric actuator – 50 mm	29020120

Ітем	DESCRIPTIONS	PART REFERENCES
10	CAN connection unit	55330050
•	Weighing extensiometer sensors (2 sensors on single axle / 3 sensors on double axle)	51400020
18	Room value electric actuator with concer	Actuator: 59000690
0	Model: LA 3510A0+0 A 100A20	<i>Power cable: 51000300</i>
19		Signal cable: 51000350
20	Ergonomic handle connection unit	50500500
21	Ergonomic handle	56520120
22	Solenoid valve connectors to hydraulic unit	
23	Auto valve CAN module	55330060
24	Disk rotation rate inductive sensor	51520150
25	Boom rotation rate inductive sensor	51520150

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 43/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02





		ΡιΝ	COLOUR	ECONOV FUNCTION	50	4
	G				50-W	AY CONNECTOR
⊕3 4⊕	Ď,	1	red		6	
2 5		2	brown		5	
		3	blue		4	
⊕1 _6⊕	JAU N	4	purple	Not used	3	
	2	5	green		2	
		6	yellow		1	
			black		17	
	g	ΡιΝ	COLOUR	FUNCTION	4	
→		1	green		8	
5 ⊕ € 3		2	white		7	
		3	yellow	Not used	24	
	AL AL	4	black		48	50 17
	2	5	red		39	33
		Duu	Carava	FF		
		PIN	COLOUR	FUNCTION	4	
		1	red / blue	Left flow rate actuator signal	25	
		2	white / red	Right flow rate actuator signal	42	
		3	white	Boom auger rate	20	
		4	green	Forward movement speed	36	
		5	blue	Spreading disk rate	37	
		6		-		
		/		-	10	
_		8	red / brown	Left - flow rate actuator	48	
	N PLUG	9	red / black	Left + flow rate actuator	47	
$9^{\circ \circ \circ \circ}_{5}$		10	red	Right - flow rate actuator	50	
	ADE	11	yellow	Right + flow rate actuator	49	
20 0 0 0 0 0	E 2	12	l'urquoise	I ribord actuator signal	38	2/1 1
24 21	MAL (S	13		-	22	
	Ē	14	grey		32	
		15	pink	+ 5V actualor	28	
		10	vollow / rod		17	
		10	groop / red		17	
		10	green/reu		10	
		20				
		20				
		21	black	CAN activation	3/1	
		22	nurnle		ΔΛ	
		23	Orange	CANLO	44	
		24	Ulange		45	

NAME: TRAINING DEPARTMENT

DATE: 04/2018

XT - VISION A8.4





XT - VISION B1.1









XT - VISION B2

FORWARD SPEED SENSOR





REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION

IND 02

XT - VISION B3.1

FLOW RATE ACTUATORS



Electrical actuators: 250 mm (ECONOV) or 300 mm (DPB/DS2/RD2/RD3) run with position return by potentiometer.

FLOW RATE ACTUATOR FOR DPB/DS2/RD2/RD3 - 300 MM RUN				
Туре:	LA 361203000P00AA -611H305000X0000			
Actuator reference:	59000643			
Power cable ref:	51000240			
Signal cable ref:	51000250			

FLOW RATE ACTUATOR FOR ECONOV – 250 MM RUN				
Туре:	LA 361202500P00AA -621F304500X0000			
Actuator reference:	59000703			
Power cable ref:	51000240			
Signal cable ref:	51000250			



Connections:

DPB connection unit



NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 50/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL	IND 02	

XT - VISION B3.2

FLOW RATE ACTUATORS



Actuator calibration:

This is an electrical calibration; it is necessary when replacing an electric actuator or replacing a console without being able to read the values first.

Access the SETUP menu by pressing Then select 1. Sensor configuration with the number pad. Enter the PIN code: 1936 and validate with Press the Press the Wey		15:18 <u>SETUP</u> 1. SENSOR CONFIGU 2. TECHNICIAN CON 3. FACTORY CONFIG 4. GENERAL PF SET *. DIAGNOSTICS	JRATION IN IFIG IFIG IFIG	
			15:21 🗑 🕅	M
Enter the following value	es on Channel 1: 1.0	:	ACTUATORS	I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.I.
	DPB/DS2/RD1/RD2	ECONOV		1.0 🖺
Response	500	500	DEADBAND	0.75 N
Deadband	0.60	0.60	ACTUATOR LENGTH	250 F 6 0 0
Actuator length	300	250	V SHUT	ី 5.80 គ្រ
Cal length*	A 7.00	A	I V OPEN LENGTH LIMIT	D 250 F
V Shut	7.00	5.80	SPAN ACTUATORS	р <u>200</u> Ц
V Open Length limit*	Depending on the	D 250	CONTROL: WORK N	
\bigwedge in the case of several	spreading system:	5 250	📥 🕁 ESC 🧃	
spreading systems, carry out	Boom: R 230			<u>, </u>
the setting on each profile.	Granulated disks: D 200			
Control·	Wet bulk: V 300		► CHANNEL :	1.0 N
	WORK REG	WORK REG	RESPONSE	<u>500 โ</u>
 * The letters are modified using the keys With the cursor on Channel: , press to access Channel: 2.0 		DEADBAND ACTUATOR LENGTH CAL LENGTH V SHUT V OPEN LENGTH LIMIT SPAN ACTUATORS CONTROL: WORK F	0.60 250 A 0.00 5.80 5.80 D 250 T REG'	
Enter the values again		▲ ► ESC ·		
Make sure that nothing is preventing the hatches from rising and descending Lower the cursor to Span actuators and validate with C		TESTING ACTUATO VOLTAGE ZERO = 6. VOLTAGE FULL = 0.	0 <u>R 1 N</u> .01 N .02 F	
then validate the warning message again				
		STOP STOP STOP S	TOP STOP	
NAME: TRAINING DEPARTMENT		DATE: 04/2018		PAGE: 51/109

XT - VISION **B3.3**

FLOW RATE ACTUATORS





XT - VISION B4.1



Electric actuators: 50 mm run with position sensor LINAK 121M00 – 1050122 X No. 082506

Spare part reference: 29020120



Connections:

SIMPLE DPB	DPB + WEIGHING / ECONOV / DS2 / RD1/RD2
DPB connection unit	CAN module
	ECU-TYPE 'E' I-O PCB PBB-e13 ISS.01 III III IIII IIII IIII IIII IIIII IIIII IIIII IIIII IIIIII
COLOUR	

	COLOUR		Divic	EUNICTION	Colour	ACTUATOR SIDE FEMALE
EXTENSION SIDE MALE PLUG	TYPE 1	T YPE 2	PINS	FUNCTION	COLOUR	PLUG
	Brown	Yellow	1	Actuator signal	White	
	White	White	2	Signal 0 V	Black	
	Green	Black	3	+/- or -/+ actuator	Blue	4320
	Red	Red	4	power supply 12 V	Red	



NAME: TRAINING DEPARTMENT

DATE: 04/2018



Actuator position check

The Ø 4 mm holes must be aligned:

- In ① position in Normal Spreading mode
- In ② position in Eco-output edge
- In 3 position in Eco-environment edge

(Only on Second)

These indications are only valid for widths under 32 m. Above this, the edge positioning may be different depending on the fertiliser

Tribord actuator locking:

The electric actuator is locked by an adjustable support on the actuator body side. Make sure that the console is in "normal spreading" position

The \emptyset 4 mm holes must be aligned. Otherwise, work on the actuator attachment (A)





BOOM VALVE ACTUATORS RD1 – RD2



Electric actuators: 100 mm run

BOOM VALVE ACTUATOR FOR RD1 AND RD2		
Type: LA 3510A0+0 0 100A20		
	Without position sensor	
Actuator reference:	59000630	
Power cable ref:	51000300	
Signal cable ref:	no signal	



Connections:

Joystick connection unit:



NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 55/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL PO	DLYVRAC XT VISION	IND 02

XT - VISION B6.1

BOOM VALVE ACTUATORS RD3



Electric actuators: 100 mm run

AUTO BOOM VALVE ACTUATOR FOR RD3			
Type: LA 3510A0+0 A 100A20			
With position sensor - Potentiometer			
Actuator reference: 59000690			
Power cable ref:	51000300		
Signal cable ref: 51000350			

Connections:

Command cable: joystick interface connection unit Positioning signal cable: CAN module connection unit



XT - VISION B6.2

BOOM VALVE ACTUATORS RD3



Actuator calibration:

This is an electrical calibration; it is necessary when replacing an electric actuator or replacing a console without being able to read the values first.

		15:18	n) M
Start the console in boom mode Access the SETUP menu by pressing Then select 1. Sensor configuration with the number pad. Enter the PIN code: 1936 and validate with Press the Press the		<u>SETUP</u> 1. SENSOR CONFIGURAT 2. TECHNICIAN CONFIG 3. FACTORY CONFIG 4. GENERAL PF SETUP *. DIAGNOSTICS	
Access Channel: 3 using the	arrow	17:26 🗑 🛪 🗹 Left Actuator	M A T
Check the values below:		► CHANNEL:	3.0 🖺
	RD3 ONLY	FUNCTION: Shutters DEADBAND	0.10 N
Function:	Valve	ACTUATOR LENGTH	100 5
Tolerance margin	0.10	SPAN ACTUATORS	
	Analogue actuator	V SHUT	0.05 F
The values are modified with the r	number pad and with	U UPEN :	5.00 <u>C</u>
Do the same on Channel: 4		🔺 😈 ESC 🖣	
		12:56 🗙 🛣 👗 STA	AT M
Make sure that nothing is pre- closing Lower the cursor to Span ac then validate the warning message	venting the valves from opening and control of the values	SPANNING ACTUATORS VOLTAGE ZERO = 0.02 VOLTAGE FULL = 4.82 VOLTAGE ZERO = 0.04 VOLTAGE FULL = 4.73	
The calibration starts on the first a	actuator, then the second.		
		STOP STOP STOP STOP	STOP
Diagnostic on the console: Access the SETUP page with the	🕟 key	<u>17:30 ☆ ☆</u> <u>DIAGNOSTICS</u> Vs: 13.34 V	MAHN
	<u> </u>		<u>Þ</u>
Select 3 In this page, you can control the e check their position.	electric flow rate actuators manually and	2.8 V 56 mm 59 59 59 59 59 59 59 59 59 59	
NAME: TRAINING DEPARTMENT	DATE: 04/2018	Pad	GE: 57/109
REFERENCE: TECHNICIAN'S OPERATING MA	ANUAL POLYVRAC XT VISION		IND 02







XT - VISION B7.2

ECONOV ACTUATORS ON SPOUTS



Actuator calibration: From the REG menu Press Then press CAL Using the Vsing the keys, display 137 as width setting	24m 160 EV18-28 0m 137 122 130 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100 137 100
The width lever indices must be at marker 137 ① If this is not the case, you must act on the actuator attachments ② (adjustment lights present).	
Diagnostic on the console: Access the SETUP page with the ● key Press ★ for "Diagnostics" Select 3 In this page, you can control the electric flow rate actuators manually and check their position.	11:39 ★ ★ M DIAGNOSTICS I Us: 13.32 U 142 P 142 P 71 mm 71 mm ESC ▼

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 59/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POL	YVRAC XT VISION	IND 02

XT - VISION B8



Disk rate sensor: Inductive sensor Spare parts references: ⇒ Sensor: 51520150 The inductive sensors produce a magnetic field at the end of their detection head. When a metal object enters it, it disrupts this magnetic field. This interference is exploited by an amplifier which delivers an output signal. Sensor adjustment: The end of the sensor must be between 2 mm and 4 mm from the auger head passage. When the circuit is under voltage, a light comes on when the metal pin is detected. **Connections:** DPB connection unit: SIG 호 핍칭 CAN ENABLE Configuration on the console: 11:42 🗙 🗙 Start the console in granulated disks or wet bulk mode. DISK SETUP Access the **SETUP** menu by pressing DISK PPR 1.00 PPR Sélectionner **1.Sensor configuration** LOW RPM 480 RPM Enter the PIN code **1936** and validate HIGH RPM 580 RPM Press 4. Disk setup Enter the values in the corresponding mode: WET BULK MODE **GRANULES MODE DISK PPR** 1.00 1.00 LOW RPM 480 300 **HIGH RPM** 580 450 ESC Switch the console off then start again with the second mode. Checking the sensor: ⇒ Measure the voltage in the connection unit between the black wire and blue wire terminals. Vs = **0** V + light on if a metal target present Vs = **12 V** + light off if no target ≥

NAME: TRAINING DEPARTMENT

DATE: 04/2018

PAGE: 60/109

REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION

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XT - VISION B9

BOOM AUGER ROTATION SENSOR







WEIGHING SENSOR





DATE: 04/2018

XT - VISION B10.2





DATE: 04/2018

XT - VISION B11.1



This is a weighing system which operates when static (stopped). A difference in weight of up to 3% is considered acceptable. Beyond this, a complete calibration is necessary.

In addition, modifying the tyre or track dimension or adding new equipment also requires a calibration.

Pre-requisites for a successful weighing calibration:

- A weigh-bridge to measure the weight of the spreader + tractor assembly on flat and horizontal ground.
- Provide a product volume close to the machine payload likely to be loaded into the hopper.
- Provide a solution to load and also empty the hopper, either by spreading on a plot or with the "integrated Emptying kit" option.
- All the weight measurements to be validated on the console must be taken when the Tractor-Machine assembly is stopped in a straight line, without the brake applied, on flat and horizontal ground, without reversing and with the follow axle free.

Access the SETUP menu by pressing Select 1 -Sensor configuration with the number pad Enter the PIN code 1936 and validate Select Select		11:57 ★★ ▲STAT A LOAD SENSOR I ► FUNCTION: USED N AXLES: 1 A×1e N AXLES: 1 A×1e N CALIBRATION ROUTINE 0.250t. O ANGLE SENSOR C.A.N. DIAGNOSTICS E CAL FACTORS T N WEIGHT RESOLUTION 50KG T
Position the tractor/spreader assembly on the weigh-bridge (in a straight line, without reversing and without applying the brake) Select Angle sensor with the arrows and validate Press SET Press ESC		11:57 X X ANGLE SENSOR ANGLE SENSOR SLOPE L/R +0.7° N SLOPE F/B +0.0° N Yaw -0.7° O Weight Vector +0.0° S Angle Deadband 8° T
To perform a weighing calibration, press the REG key, then select and validate the setpoints with Press Enter the PIN code 1234 and validate Depending on the type of machine selected first, the procedure has a number of different pages. a) <u>Single axle or bogey in 7 steps</u> b) <u>Tandem in 9 steps</u>		ESC SET ZERO 18:40 X X ÅSTAT M O.32t. O.32t. O.35t. ECHAP SET YARE

NAME: TRAINING DEPARTMENT

DATE: 04/2018

XT - VISION B11.2



a) <u>Single axle or bogey</u>	09:44 👾 🛣 🌡 STAT 🕅 1/7
Weigh the Tractor-Machine assembly unloaded , then enter the weight recorded (in tonnes, for example 10.5 t) with the number pad and validate with	
Select ^{CAL-2} to move onto the next step	A. ♥
Weigh on the axle (or axles) of the unloaded machine, then enter the weight recorded (in tonnes, for example 2.2 t) with the number pad and validate . Select . Select . Set the tare by pressing . Set the tare by pressing . Select . Select . Select . Select . to move onto the next step	09:45 x x ▲STAT M 2/7 VIDE B. ♥ 0 B. ♥ 0 ESC SET CAL.3 M ASTAT M B. ♥ 0 ESC SET CAL.3
Weigh the Tractor-Machine assembly <u>loaded</u> , then enter the weight recorded (in tonnes, for example 18.5 t) with the number pad and validate with	4/7 CHARGE C. LARGE C. LARGE C
Weigh on the axle (or axles) of the loaded machine, then enter the weight recorded (in tonnes, for example 7.7t) with the number pad and validate . Select The to move onto the next step	09:49 x x ▲STAT M 5/7 CHARGE D. ♥ 0 FO D. ♥ 0 FO FO FO FO FO FO FO FO FO FO

NAME: TRAINING DEPARTMENT

DATE: 04/2018

XT - VISION B11.3





XT - VISION B11.4



Weigh the Tractor-Machine assembly unloaded, without the machine's rear axie, then enter the weight recorded (in tonnes, for example 12.9 t) with the number pad and validate with Image: Charge State	b) Tandem axles	10:02 🗙 🛪 🕹 STAT 🕅
Weigh the Tractor-Machine assembly unloaded, without the machine's rear axie, then enter the weight recorded (in tonnes, for example 12.9 t) with the Tractor-Machine assembly unloaded, then enter the weight recorded (in tonnes, for example 16.5 t) with the number pad and validate with Weigh the Tractor-Machine assembly unloaded, then enter the weight recorded (in tonnes, for example 16.5 t) with the number pad and validate with Select It to move onto the next step Weigh on the axies of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Weigh on the axies of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Select It to move onto the next step Weigh the Tractor-Machine assembly unloaded, without the machine's rear axie, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Select It to move onto the next step Weigh the Tractor-Machine assembly unloaded, without the machine's rear axie, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Weigh the Tractor-Machine assembly unloaded, without the machine's rear axie, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Weigh the Tractor-Machine assembly unloaded, without the machine's rear axie, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Weigh the Tractor-Machine assembly unloaded, without t		1/9
rear ands, then enter the weight recorded (in tonnes, for example 12.9 t) with the number pad and validate with Select Weigh the Tractor-Machine assembly unloaded, then enter the weight recorded (in tonnes, for example 16.5 t) with the number pad and validate with Veigh the Tractor-Machine assembly unloaded, then enter the weight recorded (in tonnes, for example 16.5 t) with the number pad and validate with Select Weigh on the axles of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Select	Weigh the Tractor-Machine assembly unloaded , without the machine's	
Select Imp to move onto the next step Weigh the Tractor-Machine assembly unloaded, then enter the weight recorded (in tonnes, for example 16.5 t) with the number pad and validate with Imp to move onto the next step Select Imp to move onto the next step Weigh on the axles of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Imp to move onto the next step Weigh on the axles of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Imp to move onto the next step Select Imp to move onto the next step Weigh the Tractor-Machine assembly loaded, without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Imp to move onto the next step Weigh the Tractor-Machine assembly loaded, without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) must the number pad and validate with Imp to move onto the next step <	rear axie, then enter the weight recorded (in tonnes, for example 12.9 t)	
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Weigh the Tractor-Machine assembly unloaded, then enter the weight recorded (in tonnes, for example 16.5 t) with the number pad and validate with Select To move onto the next stepImage: CFL-2 Image: CFL-3 Image: CFL-3 	Select b to move onto the next step	Press « to accept
Weigh the Tractor-Machine assembly unloaded, then enter the weight recorded (in tonnes, for example 16.5 t) with the number pad and validate with ************************************		
Weigh the Tractor-Machine assembly <u>unloaded</u> , then enter the weight recorded (in tonnes, for example 16.5 t) with the number pad and validate with Select Weigh on the axles of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Select Select Weigh the tractor-Machine assembly loaded, without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Select <b< th=""><th></th><th>10:06 👾 🕺 👗 STAT M</th></b<>		10:06 👾 🕺 👗 STAT M
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Weigh on the axles of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Select S		Press 4 to accept
Weigh on the axles of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate Select		
Weigh on the axles of the unloaded machine, then enter the weight recorded (in tonnes, for example 7.0 t) with the number pad and validate validate Select Image: Select		10:12 🛪 🛪 🖁 STAT M
VIDE validate Select Image: select	Weigh on the axles of the unloaded machine, then enter the weight	
Select I to move onto the next step Set the tare by pressing I before moving the Tractor-Machine assembly Select I to move onto the next step Weigh the Tractor-Machine assembly <u>loaded</u> , without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with I I I I I I I I I I I I I I I I I I I	validate	
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Set the tare by pressing the tractor-Machine assembly Select to move onto the next step Weigh the Tractor-Machine assembly <u>loaded</u> , without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Select to move onto the next step	Select to move onto the next step	
Select to move onto the next step Weigh the Tractor-Machine assembly loaded, without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Select Select to move onto the next step Press + to accept Press + to accept ECHAP	Set the tare by pressing $\frac{\text{SET}}{\text{TARE}}$ before moving the Tractor-Machine	C. 뙏_무 7.00t. 투
Select to move onto the next step Weigh the Tractor-Machine assembly loaded, without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Select Select to move onto the next step Press + to accept ECHAP CRL.6	assembly	Press + to accept
Weigh the Tractor-Machine assembly loaded , without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Select Select D . D . 	Select by to move onto the next step	
Weigh the Tractor-Machine assembly loaded, without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Select Select Press + to accept ECHAPP CAL-6		10:17 👾 🕺 STAT M
Weigh the Tractor-Machine assembly <u>loaded</u> , without the machine's rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Select Select CHARGE D. D. D. D. D. D. D. CHARGE T Press + to accept CAL.6		5/9 TTT <u></u>
rear axle, then enter the weight recorded (in tonnes, for example 23.0 t) with the number pad and validate with Select Select Select Select CRL-6 to move onto the next step	Weigh the Tractor-Machine assembly loaded without the machine's	
with the number pad and validate with < Select CAL.6 D. Later CAL.6 D. Later CAL.6 D. Later CAL.6	rear axle, then enter the weight recorded (in tonnes, for example 23.0 t)	0 −0=-00
Select CAL-6 D. 23.00t. F Press + to accept ECHAP	with the number pad and validate with	
Press + to accept ECHAP	Select LEF to move onto the next step	D. 👻 🗜 23.00t. 🖡
		Press + to accept
		ECHAP CAL.6

NAME: TRAINING DEPARTMENT

DATE: 04/2018

XT - VISION B11.5



Weigh the Tractor-Machine assembly loaded, then enter the weight recorded (in tonnes, for example 34.5 t) with the number pad and validate with	10:32 x x ▲STAT A 6/9 CHARGE F. ♥ 0 S4.501. Press ♥ to accept
Weigh on the axles of the loaded machine, then enter the weight recorded (in tonnes, for example 22.5 t) with the number pad and validate . Select The nove onto the next step	ECHAP 10:37 ★ ★ ÂSTAT 7/9 CHARGE CHARGE E. ♥ 0 E. ♥ 0 E. ♥ 0 E. ♥ 0 ECHAP CAL.8 10:40 ★ ★ ▲STAT
Press ET to validate the calibration procedure Select F to view the calibration coefficient values for each sensor.	8/9 18.00t. 19.0t. 19
Read the CAL values to log them Validate with CCCD to exit the calibration procedure and return to	10:44 X X ÅSTAT M 9/9
the main screen. The actual weighing is displayed greyed out. The value flashes if the machine is moving or is on a steep slope.	CHL CHL N 1.44 6.51 4.67 Ratio: 1.395
NB: The theoretical weight is displayed in Black; it alternates with the actual weight which is greyed out every 5 seconds to enable comparison.	Press ↔ to accept

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 68/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02



REPLACEMENT OF A WEIGHING SENSOR





REPLACEMENT OF A WEIGHING SENSOR





XT - VISION B13.1



1. CAN module characteristic

The CAN module is used on the ECONOV machines, the machines equipped with weighing or auto boom valves (RD3).

- For the Econov machines, it will enable the spout actuators and Tribord actuator to be commanded.
- For the Polyvrac XTs equipped with weighing, the CAN module supplies the sensors and te output signal measurement. The information communicates with the Vision console in CAN BUS. The connection unit also has a tilt meter which corrects the weighing.
- For the models equipped with automatic boom valves, the module enables the valves and the information return to the console to be commanded.

2. Alarm display:

When the Vision console is started up, it tries to detect the presence of a CAN module. The start screen shows us the result. When a module is detected, the console displays the ECU software version

Caution, if, following a breakdown, the Vision console does not detect the CAN module on start-up, it will not display any alarms later.

When a CAN link has been established on start-up, but is interrupted while working, the alarm opposite is activated.



NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 71/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION		IND 02

XT - VISION B13.2



3. Diagnostic LED:

The ECU is equipped with a diagnostic LED:


XT - VISION B14.1

JOYSTICK CONNECTION UNIT



Joystick connection unit

Spare parts references: ⇒ Connection unit: 50500500

With the joystick, the connection unit controls the hydraulic commands, the manual boom valve settings and regulates the hydraulic motors.

This connection unit, which is positioned at the front of the machine, has its own 12 V power supply and is protected by a 20 A fuse inside the unit



Hydraulic motor regulation setting:

The connection unit's internal electronics manage a proportional hydraulic valve to drive the spreading booms or disks. The proportional valve's usage range and its auger start-up and shutdown reactions during field end sequences may be adjusted.

If the unit is replaced, the different setting operations must be carried out.

The settings must be carried out on the potentiometers in the electro-hydraulic management unit. They must be carried out under "working" conditions: engine rate, oil temperature, hydraulic rate, etc..

1. MIN setting:

- a) Supply the machine's hydraulic unit with a tractor rate which corresponds to the spreading system's requirements, i.e.:
 - 50 to 55 l/min (BOOM)
 - 55 to 60 l/min (WET DISK 125 cm3 motor, with or without BOOM)
 - 70 to 75 I/min (GRANULATED DISKS 125 cm3 motor, with or without BOOM and WET DISKS)
 - c) Place the potentiometer on the handle to ¼ of its rotation starting from released position.
 - d) Set the handle switch to spreading position to run the spreading system motors.
 - e) Act on the "MIN" potentiometer until the motors gradually stop, stop in shut down position.

The spreading system motor minimum rate is now set: 0 rpm.



PAGE: 73/109

XT - VISION B14.2

JOYSTICK CONNECTION UNIT



2. MAX setting:

- Supply the machine's hydraulic unit with a tractor rate which corresponds to the spreading system's requirements, i.e.:
 - 50 to 55 l/min (BOOM)
 - 55 to 60 l/min (WET BULK DISK 125 cm3 motor, with or without BOOM)
 - 70 to 75 I/min (GRANULATED DISKS 125 cm3 motor, with or without BOOM and WET BULK DISKS)
- b) Place the potentiometer on the handle to full rotation in engaged direction.
- c) Set the handle switch to spreading position to run the spreading system motors.
- d) Act on the "MAX" potentiometer until the following rotation is gradually obtained:

SPREADING SYSTEM	ROTATION RATE
Booms only	190 rpm (+/- 20)
Wet Bulk disks with or without booms	430 rpm (+/- 30)
Granulated disks with or without wet bulk booms / disks	540 rpm (+/- 30)



(Check it using a tachometer, following the general safety instructions, or using the electronic console).

The spreading system motor maximum rate is now set:

3. Acceleration/deceleration boom setting

This applies the setting for the spreading system motor rotation startup and shutdown, in particular with booms, in relation to the slope lifting and lowering during "field end" function.

- a) Make sure that the selector button on the connection unit is in boom position.
- b) Activate the "field end" stoppage function on the handle and act on the "BOOM" potentiometer until the motors stop when the slopes lift.
- c) Activate the "field end start" function on the handle and make sure that the motors start rotating immediately as the slopes are lowered.

The "field end" function is now set.



NAME: TRAINING DEPARTMENT

DATE: 04/2018

PAGE: **74/109**



DIAGNOSTIC MENU



To access the diagnostic menus, press 🚳 then 😿



DATE: 04/2018



BOOM MODE		G RANULATED DISK MODE	WET BULK DISK MODE
Page IVN Load on the different sensors	11 05 ★ ★ ASTAT 12.01t. 12.01t. 1.84t. 5.66t. 4.50t. 1.00t. 5.00t. 5.00t. 3.76V 3.04V 3.19V FILT. ESC ANGL.	11 05 ★ ★ ASTAT 7.36t. 7.36t. N N N N N N N N N N N N N	11 05 ★ ★ ASTAT 12.01t. 12.01t. 1000 1.84t. 5.66t. 4.50t. 1.00t. 5.00t. 5.00t. 3.76V 3.04V 3.19V FILT. ESC ANGL.
Page FILT. Weighing filter	DV 11:15 x x ▲STAT M FILTER N ←⊙ 5.45Hz 11.78Km/h Filter Status: ACTIVE E FILT. ESC ANGL.	N page sub-menu Page ANGL Weighing angle sensor	11:17 x x ASTAT PITCH ROLL Image: Constraint of the state of t

DATE: 04/2018



In certain cases, the console may need to be reset (e.g. electric actuator command problem, etc.). But it is preferable to recover the data before reset.

Note: This is the same procedure as for replacing the console.

Retrieving the data before console RESET or replacement

(A value entry form is available on page 83)

A/ General setup	
a) <u>History:</u>	11:28 👾 🛣 🛔 STAT 🕅
Access the SETUP menu by pressing . Then press 2-Technician	7. MACHINE HISTORY Y TOTALS N
Enter the PIN code: " 1936" and validate with	WORK AREA 580.30 Ha
Select 9- Machine History	WORK TIME 63.50 Hrs S
The surface and total tonnage spread are displayed.	
Press ESC twice.	ESC
 b) <u>Setting index</u> Access the REG and note the setting index: 6. INDICE ? 	11:35 x x A CALCIBASE N 1. TIME/DATE N 2. CONTRAST/BRIGHTNESS N 3. UNITS A 4. LANGUAGE B 5. HELPLINE B 6. INDICE B
 c) <u>Forward movement coefficient:</u> In the REG menu press 2 and read the values for the 4 saving positions. Press CPL to read a more precise value for each position. 	11:40 Image: Formula control co
	ESC CAL SIM
Only for a GPS / Guide bar option d) <u>Port setup:</u>	11:41 X X A <u>SPEED</u> I
Access the SETUP menu by pressing 🚳.	4800 Ň
Then press 4- General PF setup	9600 0
Select 5- GPS Baudrate and read the baudrate.	19200 E
Press ESC .	

NAME: TRAINING DEPARTMENT

DATE: 04/2018

XT - VISION D1.2



Select 6- Ports setup Read the choice for the Top port and the Bottom port	11 43 X X SDBXA PORTS SETUP TOP PORT GPS ONLY BOTTOM PORT RDS PF MODULE
e) <u>Alarm setup:</u>	11:45 X X M ALARMS SETUP
Access the SETUP menu by pressing 🙆.	► OFF TARGET: 0% T MAX, WEIGHT: 24000 kg N
Then press 1. Sensor configuration	
Enter the PIN code: 1936 and	ACTUATOR COEFF: 0.150V
Read the values, in particular Max. Weight:	SPEED HIGH 25.0Km
Press ESC .	
Only for the SWPB weighing option f) <u>SWPB weighing option:</u>	11:46 ★ ★ ▲STAT M LOAD SENSOR I FUNCTION: USED N
From the Sensor configuration menu, press 👗	MIN SHOWN: 0.250t.
Enter the PIN code: 1936 and validate with	ANGLE SENSOR
Read the type of Axle:	C.A.N. DIAGNOSTICS
	🔺 🖌 🖌 ESC 🖌 🗍 🕨
Go down with 🗨 tour CAL FACTORS and validate	
Read the values for each channel (boom, axle 1 and axle 2)	
In the case of a spreader with Tandem axles, also read the Ratio value	A 6.38 5.82
Press ESC 3 times	Image: Construction Image: Construction Ima

The console has 3 user modes related to the spreading systems. The mode is selected when the console starts up.

The setup values for the modes used must be read.

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 78/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC X	IND 02	

XT - VISION D1.3



B/ Boom mode setups	
Start the console in mode:	
 <i>h)</i> <u>Working width</u> In the REG menu, press Read the working width 	11:50 X X ASTAT M <u>WIDTH 1</u> 12.00 metres
	ESC CAL
 <i>i)</i> <u>Products:</u> In the REG menu, press For each product, read the name, the Factor 'T', the SPEED and whether the REDUCER is used or not. Use to scroll through the products 	PRODUCT: SELECTION PRODUCT: CALCIBAS FACTOR 'T': 1.3000 SPEED SLOW REDUCER NO (*) TO EDIT NAMES (*) FOR CALIBRATION ESC
k) <u>Electric rate actuator calibration:</u>	11:53 👾 🕺 STAT
Access the SETUP menu by pressing ● . Then select 1. Sensor configuration (key "1" on the number pad). Enter the PIN code: "1936" and validate with In the Sensor configuration menu, press In the Sensor configuration for channels 1 and 2 using: Actuator length ⇒ V SHUT ⇒ V OPEN	ACTUATORS CHANNEL: RESPONSE DEADBAND ACTUATOR LENGTH ACTUATOR LENGTH CAL LENGTH CAL LENGTH U SHUT OPEN LENGTH LIMIT SPAN ACTUATORS CONTROL: WORK REG' ESC CONTROL: CONTROL
Only for the AUTO boom value option (RD3) I) <u>AUTO boom value acutator option</u> From the Actuators page, display Channel: 3 then Channel: 4 with Nead the following information for channels 3 and 4: ⇒ V SHUT ⇒ V OPEN	11:55 X X ASTAT A Left Actuator I CHANNEL: 3.0 N FUNCTION: Shutters I DEADBAND 0.10 N ACTUATOR LENGTH 100 0 TYPE: ANALOGUE ACTUATOR S V SHUT 0.02 E V OPEN 4.82



C/ Setup in granulated disk mode

Start the console in mode: \textcircled{P}	
o) <u>Working width</u> In the REG menu, press Read the working width Read the blade play	11:57 ★★ ▲STAT M WIDTH 1 N N 28.00 metres N N Blades 0 N (↓) EV24-36 T T (↓) ESC CAL
 <i>p)</i> <u>Products:</u> In the REG menu, press For the first product, read the name, the Factor 'T', the SPEED and whether the REDUCER is used or not. 	11 58 ★★ ▲STAT M PRODUCT SELECTION N PRODUCT: AMMO 33. N FACTOR 'T': 0.8800 F SPEED MEDIUM O REDUCER NO S (*) TO EDIT NAMES T (*) FOR CALIBRATION ●
Press ESC and press is then call. Read the width spout setting Press ESC twice to return to Athen Use to scroll to the next product Repeat the operation to read the values	28m 160 EV24-36 0m 135 0m 137 0m 131 0m 133 0m 139 0m 143 0m 135 0m 136 0m 137 0m 138 0m 139 0m 135 0m 135 0m 136 0m 137 0m 138 0m 139 0m 135 0m ESC 0m
 r) <u>Electric rate actuator calibration:</u> Access the SETUP menu by pressing . Then select 1. Sensor configuration (key "1" on the number pad). Enter the PIN code: "1936" and validate with < In the Sensor configuration menu, press In the Sensor configuration for channels 1 and 2 using: Actuator length V SHUT V OPEN 	12 02 ★ ★ ▲STAT A ACTUATORS I CHANNEL: 1.0 N RESPONSE 500 I DEADBAND 0.60 N ACTUATOR LENGTH 250 F CAL LENGTH A V SHUT 5.92 F V OPEN 0.10 F LENGTH LINE SPAN ACTUATORS CONTROL: WORK REG' ESC

NAME: TRAINING DEPARTMENT

DATE: 04/2018



 s) <u>ECONOV actuator option</u> From the Actuators page, display Channel: Left Spout then Channel: Right Spout with Read the Function: line to see whether ECONOV mode is activated or not. 	11:35 × × M ACTUATORS I ► CHANNEL: Left Spout I FUNCTION: Econov I Equation: mm=f(9oul.) 0.00000 B: -2.49310 C: 378.59001 ACTUATOR LENGTH 130 ACTUATOR LENGTH 130 Initialisation X 15 ESC ESC
t) <u>TRIBORD option</u>	12:04 🕱 🛪 🎽 STAT 🕅 ACTUATORS I
From the Actuators page, display Channel: TRIBORD with Read the Function: line to see whether TRIBORD 3D is activated or not.	 ► CHANNEL: TRIBORD N FUNCTION: TRIBORD 3D T DEADBAND 1 ACTUATOR LENGTH 50.0 F TRIBORD RATE. 0%0 TRIBORD POSTION 35 F TRIBORD 3D RATE. 15% F TRIBORD 3D POSTION 50 T ACTUATOR P/mm 2.00 ▲ ► ESC ▲ ►

DATE: 04/2018



D/ Setup in Wet Bulk (VH) disk mode

Start the console in mode: 🛛 💥 💥

<i>w) <u>Working width</u></i> In the REG menu, press Read the working width	13:41 X X ASTAT MA <u>WIDTH 1</u> 12.00 metres
	ESC
 x) <u>Products:</u> In the REG menu, press For each product, read the name, the Factor 'T', the SPEED and whether the REDUCER is used or not. Use to scroll through the products 	13:43 ★★ ▲STAT A PRODUCT SELECTION I PRODUCT: UH1 FACTOR 'T': 1.3000 SPEED MEDIUM REDUCER NO (*) TO EDIT NAMES (*) FOR CALIBRATION ▲ ESC
 z) <u>Electric rate actuator calibration:</u> Access the SETUP menu by pressing . Then select 1. Sensor configuration (key "1" on the number pad). Enter the PIN code: "1936" and validate with In the Sensor configuration menu, press In the Sensor configuration for channels 1 and 2 using: Actuator length V SHUT V OPEN 	13:44 ★ ★ ▲STAT A ACTUATORS I CHANNEL: 1.0 N RESPONSE 500 I DEADBAND 0.60 N ACTUATOR LENGTH 300 F CAL LENGTH 4.00 O V SHUT 6.92 G V OPEN 0.10 E LENGTH U SPAN ACTUATORS CONTROL: CONTROL: WORK REG'

DATE: 04/2018

XT	- VISION	
	D2.1	

CONSOLE DATA FORM VISION XT POLYVRAC



CUSTOMER NAME:		ADDRESS:					
TYPE OF SPREADER:		SPREADER SERIA	L No.:				
Software version: 601-0	Vision console serial No.:						
A/ General setup							
а) Нізтоку							
💿 / 2. Technician / PIN :	Tonnage :			То	nnes		
1936 /	Surface :			На	I		
7. Machine History	Time:			Hr	s		
b) Setting index							
REG.	Indice :						
C) FORWARD MOVEMENT COEFFICIEN	TS			(
	1-			m / Pulse			
	2 -			m / Pulse			
REG/ <u>©</u> ?	3 -			m / Pulse			
	4 -			m / Pulse			
	5 -		Ν	IMEA VTG			
d) GUIDE BAR OPTION:		YES 🗆 (fill in be	elow)		NO 🗆		
	Baudrate :	4800 🗆	9600		19200 🗆		
🍥 / 4. General PF setup/ 6.	Top port:	GPS Only Other:					
Ports setup	Bottom port:	RDS data module 🔲 Other:					
e) Alarm setup							
	Out of target:		0 %				
	Max. Weight:						
	Min Weight:			0 kg			
/ I. Sensor configuration / PIN : 1936 / 1. Alarm setup	Blockage:			YES			
,,	Actuator coeff :		0.1	50 V			
	Speed low:		0.5	50 km			
	Speed high:		25.	0 km			
f) SWPB weighing option		YES 🗆 (fill in be	elow)		NO 🗆		
	Function:	Weighing	Weighing Not		t used 🛛		
/ 1. Sensor configuration	Axles:	1 Axle 🗆 🛛 Bog		у 🗆	Twin 🗆		
1936	Min. Weight:	0.250 t.					
WEIGH"	50 kg						
	CAL Boom:						
/ 1. Sensor configuration	CAL Axle 1:						
1936 / CAL FACTORS	CAL Axle 2:						
	Ratio :						
NAME: TRAINING DEPARTMENT	DATE:	04/2018			PAGE: 83/109		
REFERENCE: TECHNICIAN'S OPERATING MANUAL PO	LYVRAC XT VISION				IND 02		



B/ Setup in BOOM MODE

g) Use of boom mode	YES □ (fill in below) NO □			NO 🗆			
Start the console in mode:							
h) Working width							
REG/ 🧾		Width:				m	
i) Products							
		Produc	t name	Factor 'T'	R	educer	Speed
	A -				YES	□ NO □	
	В -						
	C -				YES	□ NO □	
REG/	D -				YES	□ NO □	
	E -				YES	□ NO □	
	F -				YES	□ NO □	
	G -				YES	□ NO □	
	Н-				YES	□ NO □	
j) AUGUR ROTATION SENSOR			F				
/ 1. Sensor configurati PIN : 1936 / 4. AUGUR RRP	.on / AU	GUR RRP:			1.00	PPR	
k) RATE ACTUATOR CALIBRATION	J					I	
			CHANNEL 1 (Left Rate) CHANNEL 2 (R		EL 2 (Right Rate)		
	F	Response:	500		500		
/ 1. Sensor	D	Deadband:		0.6		0.6	
1936 / 4	Actuat	or length:		300		300	
	C	al length:		A		<i>A</i>	
(CHANNEL 2: [])		V SHUT					
		V OPEN					
	Le	ngth limit	R 230 R 230		R 230		
I) BOOM VALVE ACUTATOR OPTI	ION		YES □ (fill in below) N		NO 🗆		
			CHANN	EL 3 (Left Actua	tor)	CHANNEL	4 (Right Actuator)
	_	Function:		Actuator		A	Actuator
configuration / PIN :	D	eadband:		0.10		0.10	
1936 / 🖛 / 🕨 / 🕨	Actuati			100			100
m) CATE SETUR		V OF EN					
III GALESEIOF	GΔT				0.8	80	
GATE WIDTH. 3. Factory config / REDUCEP COLLEG.			0.50				
PIN : 0035 / 1. Machine options		Pi:	25				
		Pa :	Pa: - 50 (R for "-" symbol)			ol)	
Name: Training department		DATE	: 04/2018		-	,	- PAGE: 84/109
REFERENCE: TECHNICIAN'S OPERATING MANUA	AI POIYVRAC		-				



C/ Setup in GRANULATED DISK MODE

n) Use of granul	ATED DI	SK MODE		YES 🗆 (fill in below))	NO 🗆	
Start the console in m	ode:	ÐØ							
O) WORKING WIDTH									
		,	Width:					m	
KEG/		(ECONOV) Set of b	olades:	EV 18	3-28 🛛	EV 24-36	5 🗆	EV 32-44 🛛	EV 40-50 🛛
p) Products									
		Product name	Facto	or 'T'	Re	ducer		Speed	Width marker
	Α-				YES 🗆	I NO □	LD	M 🗆 R 🗆	
REG/	В -				YES 🗆	I NO □	LD	M 🗆 R 🗆	
	С-				YES 🗆	I NO □	LD	M 🗆 R 🗆	
and	D -				YES 🗆	I NO □	LD	M 🗆 R 🗆	
REG / 🐷 / 📖	E -				YES 🗆	I NO □	LD	M 🗆 R 🗆	
	F -				YES 🗆	I NO □	LD	M 🗆 R 🗆	
	G -				YES 🗆	I NO □	LD	M 🗆 R 🗆	
	H -				YES 🗆	I NO □	LD	MORD	
q) DISK ROTATION	SENSOR	1							
🥘 / 1. Sens		or RR	IRP disk: 1.00 I			PPR	PPR		
configuration /	PIN	Low RPM:		With sensor = 480 RPM / Without sensor =0 RPM					
1936 / 4. DISK setup High RPM:			n RPM:				580	RPM	
r) RATE ACTUATOR	R CALIBR	ATION							
				СН	IANNEL 1	(Left Rate)	CHANNEL	2 (Right Rate)
		Res	ponse:	500			!	500	
<pre>/ 1. configuration /</pre>	Senso	r Dead	dband:	0.6			0.6		
1936 / 🎻	PIN	Actuator I	ength:	DPB =	300	ECONOV =	250	DPB = <i>300</i>	ECONOV = 250
		Cal I	ength:		AA			A	
(CHANNEL 2:)		V	/ SHUT						
		V	OPEN		.			6.000	
		Lengt	h limit	DPB=		ECONOV=D	. 250	DPB= D 200	ECONOV = $D 250$
S) ECONOV OPTION		YES □ (fill in below))	NO 🗆				
		L(ert Spout	CHANNEL		Right Spo			
	Senso	Fui		Not	used 🔟	Econov		Not used L	
configuration /	PIN	Actuator I	ength:		1.	30			30
1936 / 🖛 / 🕨	/ 🕩	Puise actuato	i/mm:	2.00			2	.00	
		Dead	ion V			E			1
		Initialisat	ion X :		1	5			15

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 85/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISI	ON	IND 02

XT - VISION

D2.4



t) TRIBORD OPTION		YES 🗆 (fill in below)	NO 🗆	
	Function:	Not used 🗆	TRIBORD 3 D	
	Deadband:	ź	2	
	Actuator length:	50.0		
configuration / PIN :	MS Border Output :	0 %		
1936 / 🖛 / 🕨 / 🕨/	Output position :	35		
	TRIBORD 3D RATE :	15 %		
ï	RIBORD 3D POSITION :	ORD 3D POSITION : 50		
	Pulse actuator/mm:	2.00		
u) GATE SETUP				
		DPB	ECONOV	
🥘 / 3. Factory config /	GATE WIDTH:	0.80	0.58	
PIN : 0035 / 1. Machine	REDUCER COEFF:	0.50	0.50	
options	Pi :	25	40	
(🐼 for "-" symbol)	Pq :	- 50 - 62		
	Manual control	X	✓	



D/ Setup in WET BULK (VH) DISK MODE

V) USE OF WET BULK DISK MODE		YES 🗆 (fill in below)				NO 🗆	
Start the console in mode:	☆						
w) Working width							
REG/ 🚎	Width:				m		
x) Products							
	Produc	t name	Factor 'T'	Re	ducer	Speed	
	A -			YES 🗆	NO 🗆		
	В -			YES 🗆	NO 🗆		
	C -			YES 🗆	NO 🗆		
REG/ 🚔	D -			YES 🗆	NO 🗆		
	E -			YES 🗆	NO 🗆		
	F -			YES 🗆	NO 🗆		
	G -			YES 🗆	NO 🗆		
	Н-			YES 🗆	NO 🗆		
y) AUGUR ROTATION SENSOR		1					
🕥 / 1. Sensor	RRP disk:	1.00 PPR					
configuration / PIN : 1936	Low RPM:	Low RPM: 300 RPM					
/ 4. DISK Setup	High rotation: 450 RPM						
z) RATE ACTUATOR CALIBRATION		1					
		CHAN	INEL 1 (Left Rate	e)	CHANNE	EL 2 (Right Rate)	
	Response:		500			500	
/ 1. Sensor	Deadband:		0.6			0.6	
1936 /	Actuator length:	300			300		
	Cal length:		A			A	
(CHANNEL 2: 🕨)	V SHUT						
	V OPEN						
	Length limit		V 300			V 300	
aa) gate setup							
	GATE WIDTH:			0.80			
/ 3. Factory config / DIN · 0035 /	REDUCER COEFF:			0.50)		
1. Machine options	Pi :	Pi : 25					
	Pq :		- 50 (😢 for	'-" symbo	ol)	

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Performing the RESET

 a) Display the SETUP menu by pressing . Then select 3. Factory config with the number pad. b) The console requests the PIN code: Type "0035" and validate with . 	15:18 SETUP 1. SENSOR CONFIGURATION 2. TECHNICIAN CONFIG 3. FACTORY CONFIG 4. GENERAL PF SETUP *. DIAGNOSTICS
 c) In the Factory config menu select 2. Factors reset with the number pad. d) The console requests the PIN code again: Type "0035" and validate with < 	13:46 D M FACTORY CONFIG I 1. MACHINE OPTIONS 2. FACTORS RESET 3. PIN # CHANGE ESC
 e) Press a first time. f) The unit asks "Are You Sure? ". You must validate again. 	13:47 x x ≗STAT A Factor Reset ↔ To Reset ↔ T ▶ Are You Sure? ↔ F ESC
g) The console displays "All data erased" . The reset is complete.	13:47 x x ISTAT M Factor Reset ↔ To Reset Are You Sure? ► Toutes données effacée ESC ESC

After the RESET, you must reprogram the values

The reset restores French as the default language. Foreign languages are selected in the menu "REG" / 4. Language

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 88/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISI	ON	IND 02

XT - VISION D4.1



Setup for a new console or after RESET

A/ General setup

 b) <u>Setting index:</u> Access the REG menu and select "7. INDICE" using the number pad. Select the letter with the keys, then validate before selecting the number in the same way. 	11:35 X X CALCIBASE 1. TIME/DATE 2. CONTRAST/BRIGHTNESS 3. UNITS 4. LANGUAGE 5. HELPLINE 6. INDICE B 18
 c) <u>Forward movement coefficient:</u> In the REG menu, press ?? For each position saved, press ?? For each position saved, press ?? Remember to select the position used before exiting the menu If NMEA VTG is selected, adjust the ports 	11:40 ← F = CAL M ▶ 1. ○ 0.600 m/Pulse N 2. ○ 1.000 m/Pulse N 3. ○ 2.000 m/Pulse N 4. ◇ 0.016 m/Pulse S 5. X NMEA VTG T
Only for a GPS / Guide bar option d) Port setup: Access the SETUP menu by pressing . Then press 4- General PF setup	
Select 5- GPS Baudrate Choose the BAUD rate with and validate Press ESC .	
Select 6- Ports setup Set up the Top port and the Bottom port using the keys at the bottom of the screen and validate. Press ESC 2 times	PORTS SETUP

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 89/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL PC	DLYVRAC XT VISION	IND 02

ΧT	- 1	V	S	0	Ν

D4.2

CONFIGURING THE VISION XT POLYVRAC CONSOLE



e) <u>Alarm setup:</u>	11:45 곳곳 M
	ALARMS SETUP
Access the SETUP menu by pressing 🚳.	▶ OFF TARGET: 0%
Then press 1. Sensor configuration	MAX.WEIGHT: 24000kg N MIN WEIGHT: 0kg F
Enter the PIN code: 1936 and	ACTUATOR STALL: YES
Indicate the Max. Weight: value using the number pad and	ACTUATOR COEFF: 0.150V S
validate.	SPEED HIGH 25.0Km
Check the other values	
Press ESC .	
Only for the SWPB weighing option	11:56 🗙 🛪 🛛 👗 STAT 🕅
f) <u>SWPB weighing option:</u>	
	AXLES: 1 Axle I
From the Sensor configuration menu, press 👗	MIN SHOWN: 0.250t.
Enter the PIN code: 1936 and 💽	ANGLE SENSOR
In the Function: line, display Weighing instead of Not used using	C.A.N. DIAGNOSTICS
the keys.	CAL FACTORS T WEIGHT RESOLUTION 10KG
In the Axles: line, indicate the type	
Check the Min. Weight: value 0.250 t	
In the WEIGHT RESOLUTION line, enter 50 kg	
If the conditions allow, calibrate an angle sensor. (Spreader coupled	11:47 호호 🌋STAT M
and on flat ground): Select Angle sensor and validate, then press	
the set key. Press ESC to exit	
	A 6.38 5.82
Select CAL FACTORS and validate	Press ↔ to accept
Use the number pad to mark the calibration values for each channel	
(boom, axle 1 and axle 2) Use the 🔃 key to change channel	0_0
In the case of a spreader with Tandem axles, also read the Ratio	** 5.38 5.82 5.69 F Ratio: 1.023
value	
Press ESC 3 times	

The console has 3 user modes related to the spreading systems. The mode is selected when the console starts up.

DATE: 04/2018

Each mode used must be set up

REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION

PAGE: 90/109

XT		V	IS	10	N
	C)4	.3	3	



B/ Boom mode setups	
Start the console in mode:	
	11:50 👾 🕺 STAT 🕅
	WIDTH 1
h) Working width	I. I
	E
Access the REG menu by pressing and the second se	12.00 metres 🖪
Enter the working width with the number pad and	
	I
	ESC CAL
i) Products:	 11:51 ∀∀ ♣STAT M
In the REG menu press	PRODUCT SELECTION
Press \bigstar To edit names	
Enter the product names with the alphanumerical pad and validate	FACTOR 'T': 1.3000
each line. Press ESC to exit	SPEED SLOW O
For each product, indicate the Factor 'T', the SPEED and whether	(*) TO EDIT NOMES
the REDUCER is used of hot.	
Use to scroll through the products	
j) <u>Augur rotation sensor:</u>	11:48 🗑 🛒 🔤
Access the SETUP menu by pressing 🍥 . Then select 1. Sensor	HUGER PPR
configuration (key "1" on the number pad). Enter the PIN code:	HUGER PPR 1.00 PPR
"1936" and validate with	l 6
Select 4. AUGUR RRP	
For AUGUR RRP enter 1.00 and validate	F
Press ESC	
	ESC
k) <u>Electric rate actuator calibration:</u>	
In the Sensor configuration menu, press .	11:53 🗙 🗙 🏦 STAT 🕅
Check Actuator length 300	ACTUATORS Y
Go down to V SHIIT then V OPEN and enter the values read before	
validating.	ACTUATOR LENGTH 300 F
Go to Length Limit, display R with A and indicate 230	
with the keyboard	LENGTH LIMIT R 230 T
Go back up to Channel : and display the Channel : page 2.0	CONTROL: WORK REG
by pressing	📥 🚽 ESC 🖣 🕨
Repeat the operations on Channel 2	<u> </u>

 NAME: TRAINING DEPARTMENT
 DATE: 04/2018
 PAGE: 91/109

 REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRACXT VISION
 IND 02

XT - VISION D4.4

CONFIGURING THE VISION XT POLYVRAC CONSOLE



Only for the AUTO boom valve option (RD3)	
I) <u>AUTO boom valve acutator option</u>	
From the Actuators page, display Channel: 3.0 with In the Function: line, display Actuator using If the machine is equipped with AUTO boom valves (RD3) (If the spreader does not have AUTO boom valves AUTO (RD2) leave Not used) Check Deadband: 0.10 and Actuator length: 100 Go down to V SHUT then V OPEN and enter the respective values before validating. Go back up to Channel: and display the Channel: page 4.0 by pressing Repeat the operations on Channel 4	11:55 ★ ★ ▲STAT M Left Actuator I ► CHANNEL: 3.0 M FUNCTION: Shutters I DEADBAND 0.10 M ACTUATOR LENGTH 100 G TYPE: ANALOGUE ACTUATOR S V SHUT 0.02 E V OPEN 4.82 T
m) Gate setup:	
Access the SETUP menu by pressing 🔘 . Then select 3. Factory	
config	
Enter the PIN code: "0035" and validate with	NOTE UTTU
Press 1. Machine options	REDUCTION COEFF 0.50
Enter the values:	Pi 25.0 F
1.GATE WIDTH 0.80 2.REDUCER COEFF 0.50 3.PI 25.0 4.Pq -50 The "-" symbol is obtained by pressing ★	

DATE: 04/2018

ΧT	- VISION
	D4.5



C/ Setup in granulated disk mode	
Start the console in mode: 🔁 🖗	
	11:57 🗑 🛒 👗 STAT 🕅
	<u>WIDTH 1</u>
o) <u>Working width</u>	28.00 metres
Access the RFG menu by pressing	Blades
Enter the working width with the number pad and \blacksquare	z→ EU24-26
Using the \overrightarrow{t} key select the set of blades	_`(⊷² C∨Z4-30 県
	4
p) Products:	11 58 👾 🕺 STAT M
In the BEC many proce	PRODUCT SELECTION I
$Proce \qquad \textbf{P} \textbf{To odit names}$	▶ PRODUCT: AMMO 33.
Enter the product names with the alphanumerical had and validate	SPEED MEDIUM O
each line Press FSC to exit	REDUCER NO S
For each product indicate the Factor 'T' the SPEED and whether	(*) TO EDIT NAMES
the REDIJCER is used or not	<⇔ FOR CALIBRATION
Press ESC and press 🔤 then 👊.	28m 160
Indicate the width spout setting with	
Press ESC twice to return to $\overrightarrow{A+H}$	131
Use to scroll to the next product	
Repeat the complete operation for each product	
a) Disk rotation sensor:	
Access the SETUD many by proceing Then colect 1 Senson	
configuration (key "1" on the number pad). Enter the PIN code:	DISK SETUP
"1936" and validate with	LOW RPM 1.00 PPR
Select 4. Disk setun	HIGH RPM 580 RPM
Enter the values and validate each line:	G
DISK PPR 1.00 PPR	ļ. Ę
Low RPM 480 RPM if mounted sensor, if not 0	
High RPM 580 RPM	
Press ESC	

DATE: 04/2018

XT - VISION D4.6

CONFIGURING THE



VISION XT POLYVRAC CONSOLE

r) <u>Electric rate actuator cali</u>	bration:			12 02 🐨 🗸 STAT M
In the Sensor configuration	menu, press 🗲	F7.		
Enter Actuator length	(DPB = 300 ,	/ ECONOV = 250)))	► CHANNEL: 1.0 N
Go down to V SHUT then V OPE	N and enter th	ne values read	before	DEADBAND 0.60 N
validating.		_		HCTUHTUR LENGTH 250 F CAL LENGTH A 0.0回
In Length Limit , display D	with 🛛 🖣 📕	and indica	te the	
corresponding value (DPB = D 200) / ECONOV D 2	250)		LENGTH LIMIT D 250
Go back up to Channel: and dis	play the Chanr	nel: page	2.0	CONTROL: WORK REG?
by pressing 🕨				
Repeat the operations on Channel	2			
s) <u>ECONOV actuator option</u>				11:35 👾 🕅
From the Actuators page, disp	ay Channel:	Left Spou	t with	ACTUATORS I
				► CHANNEL: Left SPout PL FUNCTION: Econov
If it is an Econov machine, display	on the Funct	ion: line E	conov	Equation: mm=f(9oul.)
using () (Otherwise leave	"not used")			B:2.49310
In the Initialisation X line, e	enter 15			C: 378.59001
Go back up to the first line and	display Chanı	nel: Right	Spout	ACTUATOR P/mm 2.00
with b and repeat the operation	on.			Initialisation X 15
				🔺 🛛 🕁 🛛 ESC 🛛 🖣 🔹 🕨
t) TRIBORD option				
				CHANNEL: TRIBORD
From the Actuations was disult	Channal .			
From the Actuators page, display Channel: IRIBORD with			ACTUATOR LENGTH 50.0 F	
If it is a machine equipped with TRIBORD, display on the 2nd line			TRIBORD POSTION 35 R	
FUNCTION: IRIBORD 3D usi	ng 🗨 🕨 (Otherwise leav	'e "not	TRIBURD 3D RHIE. 15%
used")				ACTUATOR P/mm 2.00 비
Press ESC 2 times				
u) <u>Gate setup:</u>				DPB 14.29 फर्म इंडरावर Mi
Access the SETUP menu by press	sing 🞯 . Ther	select 3. Fa	ctory	MACHINE OPTIONS
config				►GATE WIDTH 0.80 T REDUCTION COEFF 0.50 N
Enter the PIN code: "0035" and va	lidate with 🗲	3		Pi 25.0 6 P9 -50 6
Press 1. Machine options				Hand Controller X
Enter the values:				
	DPB	ECONOV		
GATE WIDTH:	0.80	0.58		FCONOV
REDUCER COEFF	0.50	0.50		
	-50	40.0 -62		MACHINE OPTIONS II ► GATE WIDTH 0.58 日
Manual control	-50 X	-02 ✓		REDUCTION COEFF 0.50 N Pi 40.0 E
RTS	FERTI	FERTI		Pq −62 0 Hand Controller ✓ 5
The "-" symbol is obtained by pres	sing 😥			Į Į
Press ESC to exit	J 🕌			

NAME: TRAINING DEPARTMENT

DATE: 04/2018

IND 02

XT - VISION D4.7

CONFIGURING THE VISION XT POLYVRAC CONSOLE



D/	Setup	in	Wet	Bulk	(VH)	disk	mode
							.

Start the console in mode: 🕺 💥	
	13:41 🗙 🛪 👗 STAT 🕅
	WIDTH 1
w) <u>Working width</u>	Ē
Access the REG menu by pressing 🔛 .	12.00 metres 👸
Enter the working width with the number pad and	
	Ц Ц
	ESC
x) <u>Products:</u>	
In the REG menu, press 🚔	PRODUCT SELECTION
Press 🔀 To edit names	<u>N</u>
Enter the product names with the alphanumerical pad and validate	FACTOR 'T': 1.3000
each line. Press ESC to exit	SPEED MEDIUM O
For each product, indicate the Factor 'T' , the SPEED and whether	REDUCER NO
the REDUCER is used or not.	(*) TO EDIT NAMES
	(+) FOR CALIBRATION
Use 📕 🕨 to scroll through the products	🔺 🛛 🕁 🛛 ESC 🛛 🖣 📗 🕨
y) <u>Augur rotation sensor:</u>	14:51 🐨 🗸 STAT M
Access the SETUP menu by pressing 🔘 . Then select 1. Sensor	DISK SETUP
configuration (key "1" on the number pad). Enter the PIN code:	▶DISK PPR 1.00 PPR
"1936" and validate with	LOW RPM 300 RPM N
Select 4. Disk setup	
Enter the values and validate each line:	F
DISK PPR 1.00 PPR	Ē
LOW RPM 300 RPM High RPM 450 RPM	
z) Electric rate actuator calibration:	
In the Sensor configuration menu, press .	13:44 🗁 🗸 🛔 STAT M
Check Actuator length 300	ACTUATORS I
Go down to V SHUT then V OPEN and enter the values read before	► CHANNEL: 1.0 N RESPONSE 500 T
validating.	DEADBAND 0.60 N
In Length Limit, display V with And indicate 300 with	
the keyboard	V SHUT 6.92 5 V OPEN 0.10 F
Go back up to Channel: and display the Channel: page 2 by	LENGTH LIMIT V 300日 SPAN ACTUATORS
pressing 🕨	CONTROL: WORK REG
Repeat the operations on Channel 2	📥 🔽 ESC 🖣 🕨
Press ESC 2 times	

NAME: TRAINING DEPARTMENT

DATE: 04/2018

XT	- VISION
	D4.8

CONFIGURING THE VISION XT POLYVRAC CONSOLE



aa) <u>Gate setup:</u> Access the SETUP menu by pressing () . Then select 3. Factory	
<pre>config Enter the PIN code: "0035" and validate with Press 1. Machine options</pre>	14 20 ★ ★ ▲STAT M MACHINE OPTIONS ► GATE WIDTH 0.80 REDUCTION COEFF 0.50
Enter the values: 1.GATE WIDTH 0.80 2.REDUCER COEFF 0.50 3.PI 4.Pq -50	Pi 25.0 5 P9 -50 5 E
The "-" symbol is obtained by pressing 🕏 Press ESC to exit	

XT - VISION E1

FERTITEST - RTS IMPORT



Only on Contraction :	
The FERTITEST is available at the website:	
.sulky-burel.comwww.fertitest	
When the settings are displayed for an XT ECONOV spreader, a icon (RTS) is available. This icon is used to save a file with the rate (excluding set of pinions) and width setting data to an SD card. The transfer is performed using an SD card with a maximum	CONTRACTOR OF STATE O
capacity of 2 GB.	neie vesations de votre navauit d'adfinitation de la faite de la singerande précision de réglape auguste au champ novam na précision de réglape auguste de la singerande précision de réglape auguste de la source de la source de la source Toute responsabilité de SULKY BUREL est exclue pour des dommages liés à l'utilisation des valeurs indicatives du FERTITEST.
	J'ai pris canatasance des conditions d'unisation du FERTITEST
The CD courd must have a failer remain	Mentions légales © Sulky-Burel
Save the file produced by the Fertitest in this folder.	
Do not modify the file name.	
	a,
	RDS_DATA.XXX
The file may be read using an "Excel" type spreadsheet package	
All the information is in box A1.	
E.g.: 06,EXTRAN 33.5N (MONTOIR),0.9	6,-4.8,EV24-36,28.00,250.0
Record name, Product name, factor '1", fact	or 'K', set of blades, width, dose
On the Vision console with the SD card inserted:	
In the REG menu and $\begin{bmatrix} A \\ A \neq H \end{bmatrix}$.	09:21 👾 🛄 📮 🌋STAT. M
Select the product to be saved with 🚺 🕨 .	PRODUCT SELECTION I
Go down to "IMPORT FERTITEST DATA" and validate with	▶ 0006 EXTRAN 33.5 N
The console displays a usage recommendation message. Press $\square K$.	
The console then lists the products saved to the SD card. Choose the product you want and validate with	(↔) TO IMPORT
The settings are loaded automatically to the console.	
Then select the set of pinions (L/M/R speed) on the console	
and on the machine and check the feasibility.	

The Fertitest setting values are provided for information. Sulky cannot be held responsible for any damage related to the use of information Fertitest values.

NAME: TRAINING DEPARTMENT	DATE: 04/2018	PAGE: 97/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT	VISION	IND 02





A/ Pre-requisites

The Vision II console enables you to follow a dose modulation card. It must have GPS positioning information (Garmin antenna, guide bars). The GPS equipment must be connected to the top port at the rear of the console and requires configuration (performed on start-up).

The Vision II console is compatible with the modulation files saved in **RDS format** with **GPS WGS 84 projection**. They may be generated from the Farmstar expert portal, or by the following applications: Agrimap+, Bgrid, Farmworks, SMS, etc. Caution, when creating the file (depending on the software packages) **do not use any accents or symbols in the names of farms, plots, fertiliser, etc.**

The file name must respect the following case:



Do not modify the file name after it is created.

B/ Saving the modulation file to the SD card (to be done on the PC)

- 1/ Have an SD card with a maximum capacity of 2 GB
- 2/ Create a folder named RDS_DATA.XXX at the SD card's root

3/ Copy the modulation files inside the RDS_DATA.XXX folder Be careful with files downloaded in .zip mode; remember to "extract files". The modulation files must be saved directly in RDS_DATA.XXX (no subfolders)

C/ Reading the card on the Vision II console

1/ Insert the card into the Vision console	
2/ Go to the "INFO" menu 3/ Press ▶᠍	14:56 ж ж АSTAT AMMO 33.5 AMMO 33.5 Image: State of the sta

NAME: TRAINING DEPARTMENT	Date: 04/2018	PAGE: 98/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VI	ISION	IND 02







XT - VISION E2.2



	15:25 X X SDEV ▲STAT M NO JOB RUNNING T INTERNOL (SUMMORY) MEMORY
	1 OF 75 SLOTS USED
4/ Press START	EXTERNAL (DYNAMIC) MEMORY
	RDS PSi CARD READER
	FREE : 100.0%
	💞 ? 🔣 🔍 ESC 💦 START
	15:26 🛪 🛪 SDEV LSTAT M TOB STARTUR
	► 1. APPLY FROM PLAN
	2. LOG TREATMENT 3. LOG SUMMARY ONLY
5/Select « 1. Apply from plan"	
	PRESS & TO SELECT
6/ Enter the farm No. and validate (00010001.10 <u>1</u>)	THE FARM NUMBER
7/ Enter the field No. and validate (00010001.f01)	1 8
	▲ [1
	15:27 🛪 🛪 SD 🛛 🖌 🛔 STAT M SELECT PLAN I
8/ Select the task and validate	
	[[
	PRESS 4 TO SELECT
	JOB STARTUP
9/ Press SKIP	PLEASE ENTER
	FUNCTION #1
	S
	T

 NAME: TRAINING DEPARTMENT
 DATE: 04/2018
 PAGE: 99/109

 REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRACXT VISION
 IND 02

XT - VISION E2.3

DOSE MODULATION -RECOMMENDATION CARD



10/ The console loads the modulation card – Wait a few moments 11/ The console displays "storage? " - Wait	15 30 x x SDEV & LOADING WORK PLAN PLEASE WAIT P1=0×ff n×1=0
12/ The task loading is complete. Press EPAN The page opposite enables markers to be positioned (foxtail, wild oats, bedstraw, thistles, etc.).	15:29 ★ ★ SDE ▲STAT M RUNNING A PLANNED JOB I 1 VULPIN I 2 FOLLE-AUOINE N 3 GAILLET FOLLE-AUOINE 4 CHARDON FOLLE-AUOINE 5 Mar9uage 1 FOLLE 6 Mar9uage 2 FOLLE 7 Mar9uage 3 FOLLE 8 Mar9uage 4 T MAP FOLLE
 13/ The symbol indicates that the dose is being read from the modulation card. Operation in the field remains identical. 	

D/ Closing the task

1/ Go to the INFO menu 2/ Press 🔊	16:05 ★ ★ SDB√ ▲STAT M RUNNING A PLANNED JOB I 1 VULPIN I 2 FOLLE-AUOINE N 3 GAILLET N 4 CHARDON O 5 Mar9ua9e 1 S 6 Mar9ua9e 2 T 7 Mar9ua9e 3 T 8 Mar9ua9e 4 STOP
Note that after spreading the console saves an actual application file to	00000014.X01
the SD card. It may be read from a specific SIG application (Agrimap+,	Fichier X01
Bgrid, etc.)	5 Ko

NAME: TRAINING DEPARTMENT	Date: 04/2018	PAGE: 100/109
REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VIS	SION	IND 02





II- DIAGNOSTIC PROCEDURES

FILE NO.	DIAGNOSTIC PROCEDURES	PAGE NO.
diag 1	1- The console does not switch on	102
diag 2	2- The rate actuators do not move	103
diag 3	3- The ECONOV actuators do not move	104
diag 4	4- The TRIBORD is not functioning	105
diag 5	5- Weighing problem	106
diag 6	6- Rate difference	107

DATE: 04/2018

NAME: TRAINING DEPARTMENT	
---------------------------	--

REFERENCE: TECHNICIAN'S OPERATING MANUAL POLYVRAC XT VISION

PAGE: 101/109

XT - VISION Diag -1

II- DIAGNOSTIC PROCEDURES





NAME: TRAINING DEPARTMENT

DATE: 04/2018





NAME: TRAINING DEPARTMENT

DATE: 04/2018





II- DIAGNOSTIC PROCEDURES





NAME: TRAINING DEPARTMENT

DATE: 04/2018

IND 02









NAME: TRAINING DEPARTMENT

DATE: 04/2018

PAGE: 107/109

XT - VISION	NOTES	SULKY
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NAME: TRAINING DEPARTME	ENT DATE: 04/2018	PAGE: 108/109
REFERENCE: TECHNICIAN	I'S OPERATING MANUAL POLYVRAC XT VISION	IND 02
XT - VISION	NOTES	SULKY
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Name: Training departm	ENT DATE: 04/2018	PAGE: 109/109
REFERENCE: TECHNICIAN	'S OPERATING MANUAL POLYVRAC XT VISION	IND 02