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XR-1 Controller

TECHNICAL DATA

Approvals	Worldwide (see over)
Housing	Stainless Steel IP66
Power supply:	DC/AC or Battery
Measurements:	Mass Flow Rate. Batch Weight. Totaliser Weight.
Analog I/O	Output:4 to 20mA or 0-10V
Digital I/O	10 DI or DO Combination 24VDC (see over)
Communications:	Ethernet, Profibus & others
Set Points:	Batch Weight.
Keypad:	Membrane type. Alphanumeric 3 Function Keys
Display	4 lines LCD
Alarms:	Overload error Load cell error. Others Programmable

Functions:

System Time and Date

Set Display View

Zero Scale

Tare Scale

Set Target Batch Weight

Set Tolerance

Passcode Security setup

Select/Edit Material (up to 99)

Set In-motion weight

Set Totaliser parameters

Set ID No.

Set Sampler parameters

Set Air Purge parameters

Remote Display

XR-1 Specification Table

Resolution		Up to 100,000 d minimum of 0.25uV/d
Approvals		10,000d @ 0.7uV/d NMI (S463) OIML R76 III/III L NTEP 08-720 MID 2004/22/EC – WELMEC 2.1 & 7.2 FCC, CE, C-tick
Zero Cancellation		+/-2.0mV/V
Span Adjustment		0.1mV/V to 3.0mV/V
Excitation		7.4V for up to 16 x 350 or 32 x 700 ohm load cells (4-wire or 6-wire plus shield)
A/D Type		24 bit Sigma Delta with +/- 8,388,608 internal counts
Operating Environment		Temperature: - 10 to + 50°C ambient (14°F to 122 °F) Humidity: <90 % non-condensing
Display		LCD with Alphanumeric displays and LED Backlighting: Primary display: 6x28.4mm (1.12") high digits with units and annunciators 2nd display: 9 x 17.6mm (0.7") digits with units 3rd display: 8x6.1 mm (0.2") digits 4th display: 4.7.6mm (0.3") digits
Setup and calibration		Full digital with visual prompting in plain messages
Digital Filter		Sliding window average from 0.1 to 30.0 seconds
Zero Range		Adjustable from +/-2% to +/- 20% of full capacity
Standard Power Input		12 to 24VDC (15 VA Max) – ON/OFF key with memory feature
Variants	AC	AC Power Supply Input: 110/240VAC 50/60Hz Output: 12VDC 15VA
	Battery	2.5AH NiMH rechargeable battery pack Charger input: 110/240VAC 50/60Hz Output: 12VDC
Optical Data Communications		Magnetically couple infra-red communications Conversion cables available for RS232 or USB
Serial Outputs		Serial 1A: RS232 serial port for remote display, network or printer supports. Serial 1B: RS485 transmit only from remote display Transmission Rate: 2400, 4800, 9600 or 19200 baud
Battery Backed Clock Calendar		Battery Life 10 years minimum
Analog Output		1 (Selectable 4-20mA or 0-10V)
Digital Outputs *(0.4A max each)*		Batch Complete, Totaliser Pulse, Heartbeat, Alarm, (Air Purge, Sampler, Check Calibration, if fitted)
Digital Inputs		Batch Reset, Total reset, Material Select
Case Materials		Stainless Steel
Packing Weigh		Indicator 1.2kg (42 oz)
Environmental IP rating (Panel mounted or with rear boot)		IP66
Options:		*At extra cost*
Additional Communications		*Module RS 232/R232 Module: RS232/RS485 Module: RS485/RS485*
Profibus-DP		*Used with 1400 Profibus-DP module*
Optional Storage Device Ethernet/USB		*1*