

Luci PM Data Sheet



Designed for performance

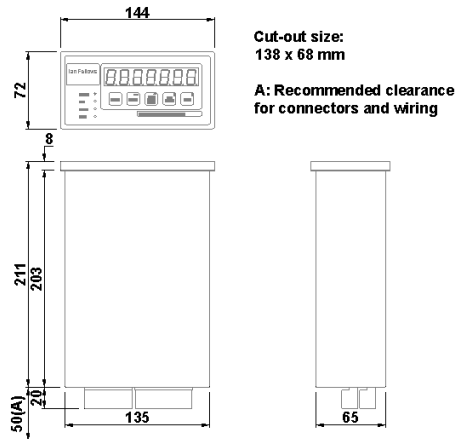
Features

- Unrivalled reputation.
- 7 Digit, bright, easy to read, LED display.
- DIN standard, panel mount enclosure.
- Two part connectors for quick replacement.
- Mains or DC power as standard.
- High resolution weighing performance.
- Linearity adjustment.
- Accommodates extremes of dead load and signal.
- Superb digital weight filtering.
- x10 resolution test mode.
- Configuration via front panel or serial communication.
- Two serial ports, printer port can be used for remote display.
- Memory tares, semi automatic tare and set zero functions.
- 3 outputs, 2 inputs as standard.
- Real time clock as standard.
- Versatile print formatting.
- PLU's recalling A/N text, setpoints, part weights and totals.
- Multi-drop communications.
- Sophisticated fill control with fast cut off and predictive software.
- Variety of setpoint operating modes.
- Many advanced software features.

Options

- Analogue output, 4-20mA/0-10V.
- ModBus.
- kg/lb version.

Luci PM Dimensions



Specifications

General Specifications	Display	mm	7 Red LED digits 14mm	
	Front Panel		Membrane with tactile metal domes, Beep response, 5 button operation.	
	Annunciators		4 LEDs (Motion/Zero/Net/Gross)	
	Internal Resolution,	counts	20 bit ADC (1:1,000,000)	
	Maximum Display Resolution	divisions	1,000,000 (x 10 test mode)	
	Input Signal Range	mV/V	-4.5 → 4.5	
	Zero Offset Range	%	100% of Input Signal Range	
	ADC Conversion Rate	Hz	50	
	Linearity error	%FS	< ± 0.0007%	
	Differential non linearity		± 0.5 LSB	
	Span temperature coefficient	ppm/°C	1	
	Zero temperature coefficient	uV/°C	0.005	
	Power consumption (typical)	W	5-10	
	Common Mode Rejection (@50Hz)	dB	200	
	Power Supply Rejection (@50Hz)	dB	120	
	Operating voltage	VAC	12-28Vdc and 230 or 115Vac*	
	Weight	kg	1.1kg (shipping 1.5kg)	
	Transducer Input Specifications	Transducer type (4 or 6 wire)		Resistive, full bridge
		Transducer input resistance	Ω	min 43Ω (up to 8 x 350Ω cells)
Excitation voltage		Vdc	10 (nominal)	
Minimum signal requirement		mV/e	0.2	
Input impedance		MΩ	≥ 20 (sense and signal)	
Serial Communication	Communication Ports		1.Comms RS232 or RS485/RS422 Printer RS232 (TX/Busy)	
	Baud rate	bits/sec	2400, 4800, 9600	
	Protocol		7/8 data bits, odd/even/no parity, 1/2 stop bits	
	Maximum continuous data rate (test mode)	Hz	50	
	Communication protocol		Ascii or ModBus*	
Environment	Operating Temperature	°C	-10 → +40	
	Storage Temperature	°C	-10 → +70	
	EMC Immunity /Emissions		EN45501, EN55022	
	Sealing		IP54 Front panel	
	Enclosure		Panel mount DIN standard 43700	
I/O	Analogue output* 0-10V or 4-20ma		15 bit (adjustable range) Max drive load for 4-20mA 900Ω (active)/1200Ω (passive)	
	Inputs	2	DC opto coupled <6V off; >10 -30V on	
	Outputs	3	Darlington transistor type Max OFF voltage 27V; Max ON current 60mA	

* According to specification

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