

# MACKLOW SMITH DIGITAL DISPLAY

## INTUITIVE Series L

### Quick and Easy to use

Simple set up and calibration procedure using just the front key pad, incorporating a 24bit A-D simple routine and menu selections.

### Simple to Install

Standard construction is in a 1/8DIN case complete with two mounting brackets, the front casing is sealed to IP65 or has an optional cover to IP67 for external industrial use, when fitted to suitable enclosure.

### Power and Connections

There are two power supply options, 10-30VDC via dry cell batteries, existing supply or mains supply adaptor. Standard mains voltages in the range 95 -265VAC. It can accept 4 or 6 way strain gauge or transducer connections.

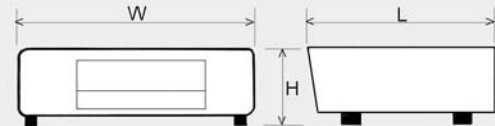
### Software

Reading accuracy  $\pm 0.05\%$  of the mV input. The loaded software includes full range zero, preset tare, peak and valley memory, modes all as standard.

### Options

RS232 1200 baud output  
RS422 1200 baud output  
RS485 addressable  
2 or 4 alarm with 5A 240V relays, N.O. or N.C contacts.  
Change over switch, Tension/Compression  
Isolated analogue outputs, 0-10Vdc  
-5/+5Vdc, 4-20mA dc  
Built into an instrument case  
Instrument carry cases  
Lens cover to avoid tampering with settings  
IP67 front cover

## SPECIFICATION



Standard Instrument Case

Model	INT-L
Electrical Supply	10-30VDC, 95-265VAC, 8W max
Input signal	0.5 – 3.5mV/V
Load cell connection	4wire and 6 wire
Excitation	10VDC up to 120mA
Display	5 number, 14mm high, red or green
Filtering	Adjustable 0 – 5 seconds
Last digit round up	Selectable 1,2,5,10 20,50
User linearization	Up to 10 points
Front panel controls	Calibration, Tare, Reset, Max/Min, Alarm
Accuracy	0.05% of range
Construction	ABS casing/Metal instrument case
Protection class	IP65 or IP67 with optional cover
Operating temperature	0°C - 40°C
Resolution	Up to 60,000 counts
Options:	
Output	4-20mA, 0-5VDC, 0-10VDC
Alarm/Relay	2 or 4 alarms, rated 5A 250VAC, SPST
Serial output	RS232/RS422 @1200 baud rate
Instrument casing	Mounted in steel/aluminium case
Change over switch	Changes polarity for tension/compression modes (case only)
Dimensions: HxWxD	
Display	46mm x 93mm x 125mm
In instrument case	90mm x 200mm x 170mm

In the interest of product development we reserve the right to alter specifications without prior notice.