



TSR 200

Handheld Load Cell Display

The TSR 200 handheld strain gauge bridge meter is a simple, economical portable display instrument for measuring scaled loads on a variety of load cells.

The meter is easy to calibrate by applying a known load, shunt calibration or with fine adjustment facility to correct for drift over time in transducers.

The load meter offers peak and trough hold and up to 16 channels of calibration data, stored in non-volatile memory.

With the RS232 option added the unit can output readings at user programmable timed intervals. This unit can also be paired with a load cell and calibrated to Namas standards to use as a calibration set.

The unit can be offered with a range of connectors to suit your requirement that is; latching 4 pin locking audio DIN connectors (standard), Binder connector: 4 or 5 pin and a Lemo connector.

Key Features

- Easily configured for use with load cells or pressure transducers
- Stores up to 16 set ups of calibration details
- Digital scaling and programmable decimal point
- 160msec peak & trough capture
- 40hrs battery life from 2 x AA batteries
- Data entry via sealed five button membrane keypad
- Supplied in IP65 case with a zipped vinyl case
- Optional protective holster is also available

Technical Specification

Parameter	Min	Typ	Max
Supply voltage (DC)		3V (2 x AA Alkaline batteries)	
Input sensitivity (mV/V)	0.25		4.5
Excitation voltage (V dc)		5	
Conversion Rate per second		120	
Peak Hold (msec)		160	
Digital filtering (seconds)	0.16		1.28
Inputs		Single channel	
Calibration	Known load, shunt calibration, or fine nudging.		
Display	4½ Digit LCD		
Temperature drift (ppm/C)		50	
Zero balance (Full scale)	-100.00%		100.00%
Shunt calibration	100k internal resistor		
Non-linearity % of full scale	0.01		
Communication options	RS232, 9600 baud		
Operating temp.(C)	-10		50
Storage temperature (C)	-10		70
Case	ABS grey IP65 case 152L x 83W x 34D mm		
Connections	4 pin locking DIN connectors as standard. IEC 61076-2-106		

Options

- 200k ohm internal resistance for shunt calibration
- Extra fast peak capture – 10msec
- 2 stored values – toggle between values
- 16 stored values – scrolls through values
- RS232 output
- Your choice of connector at extra cost (please specify)

For pricing, availability or further technical information about the TSR 200 Display, please contact us online at www.crane-electronics.com or alternatively, email us at sales@crane-electronics.com.



Locations

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