

LCT-11 load cell tester



product description

The LCT-11 is a stand-alone hand-held device that was especially designed for full trouble shooting of strain-gage based load cells. The LCT-11 can check all common types of standard load cells that are available on the market: 4 or 6 wires at all rated gain outputs. It provides the user with all essential data needed about the tested load-cell: bridge resistance and integrity, physical distortion (possibly caused by overload, shock load or metal fatigue) and it checks the insulation resistance that can point to moisture or chemical ingress.

specifications

Bridge testing: 1.25 Vdc

High resistance testing: 10 Vdc

16-bit A/D converter

Input and output resistance: up to 1250Ω at 0.5Ω resolution and $\pm 0.5\Omega$ accuracy

Sense resistance (for 6 wire L/C): up to 500Ω at 0.1Ω resolution

Insulation resistance: up to 5 GΩ at 10% accuracy (Min. >10 MΩ)

Load cell output in percentage of full scale (input resistance > 175Ω):
 $\pm 250\%$ at 0.01% resolution and 0.1% accuracy

Gain adjustment: 0.1 ... 5 mV/V in steps of 0.01

key features

Fast testing of load cells & scales
(analogue load cells only)

Can be used to check multi load-cell
scale alignment

Continuous signal reading for
checking linearity & repeatability

User friendly, full test within 5s

Alphanumeric display:
16 characters, 2 lines

Rugged ABS enclosure

8-pin connector with screw
terminals (supplied with the unit)

Uses 4x AA batteries (not supplied)

Size: 150mm x 80mm x 28mm

Weight: 250g

Dimensions and specifications are
subject to change without notice.



RoHS
compliant

