

# 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 5 k $\Omega$  at 0.5 $\Omega$  resolution and  $\pm$  0.5 $\Omega$  accuracy

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

Insulation resistance: up to 5 G $\Omega$  at 10% accuracy (Min. >10 M $\Omega$ )

Load cell output in percentage of full scale (input resistance > 175 $\Omega$ ):  
 $\pm$  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

