

Load Cell Test Instrument LCT-1 Ultimate

The LCT-1 Ultimate provides fast and accurate testing on all load cells to ensure proper operating performance.

This instrument is battery-powered and comes with a rubberized enclosure for drop protection. Using 4-AA batteries, it's completely portable and the industrialized connector allows for any 4 or 6 wire load cell to be connected.

Product Description

The LCT-1 Ultimate is a hand-held device that is specifically designed to fully troubleshoot strain-gage based load cells. It provides several tests that indicate bridge resistance & integrity, overload, and insulation resistance - which can indicate moisture or chemical contamination into the load cell.

Specifications

- 16 bit A/D conversion
- Bridge test: 1.25Vdc
- High resistance test: 10Vdc
- Input and output resistance:
{ 5 k Ω at 0.5 Ω resolution & \pm 0.5 Ω accuracy}
- Sense resistance (for 6 wire L/C): up to 500 Ω at 0.1 Ω resolution
- Insulation resistance
{ 5 G Ω at 10% accuracy (Min. >10 M Ω)}
- Load cell output in percentage of full scale (input resistance > 175 Ω): \pm 250 % at 0.01 % resolution and 0.1 % accuracy
- Gain adjustment: {0.1 to 5 mv/V in steps of 0.01}



Key Features

- Continuous signal readout provides checking of linearity and repeatability
- User friendly: fully test the load cell without intervention
- Alphanumeric display: 16 x 2 lines
- Rugged ABS enclosure with rubberized over case for drop protection
- Industrial 8-pin screw connector
- Size: 150 mm x 80 mm x 28 mm
- Weight: 250 g