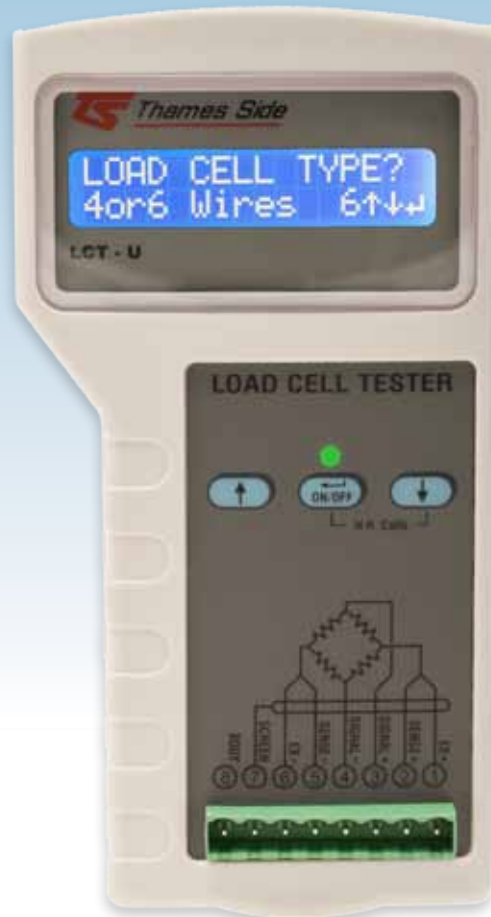


## ADVANCED DIAGNOSTIC LOAD CELL TESTER



The advanced Load Cell Tester Model LCT-U is a stand-alone hand-held device specially designed for fast, comprehensive troubleshooting of strain gauge load cells. The LCT-U can quickly diagnose problems with all common types of load cell available today, including 6-wire load cells (with sense wires).

The LCT-U provides the operator with all the essential data about the load-cell being tested, including the bridge resistance and integrity, physical distortion (possibly caused by overload, shock load or metal fatigue) and insulation resistance (which can highlight moisture or chemical ingress).

- Fast, accurate testing of load cells and scales – full test complete within 5 seconds
- Very user friendly – pin assignment is printed on front of tester
- Coloured LEDs highlight suspicious readings
- Can check alignment of multiple load cell scales
- Operated by standard batteries for portability
- Continuous signal reading allows for checking of linearity and repeatability
- Can check for physical distortion of a load cell
- Works with 4-wire or 6-wire load cells
- Rugged ABS enclosure and rubber cover
- Lightweight
- Ideal tool for installation/commissioning engineers

# LCT-U

technical specification...



## LCT-U Advanced Load Cell Tester

Specifications	
Bridge testing voltage	1.25 VDC
High resistance testing voltage	10 VDC
A/D resolution	16 bit
Bridge input and output resistance	Up to 5k $\Omega$ at 0.5 $\Omega$ resolution
Sense resistance (for 6 wire load cells)	Up to 500 $\Omega$ at 0.1 $\Omega$ resolution
Resistance accuracy	$\pm 1 \Omega$
Insulation resistance	Maximum > 5 G $\Omega$ ; Minimum <10 M $\Omega$
High resistance accuracy	10%
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 to 5 mv/V (in steps of 0.01)

Additional Data	
Connector	8-pin with screw terminals (supplied with the unit)
Power source	4 x Type AA batteries (not supplied)
Display	Alphanumeric: 16 characters, 2 lines
Size	150 mm x 80 mm x 28 mm
Weight	250 grams

For further information, including a video user guide, please visit our website [www.thames-side.com](http://www.thames-side.com)

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Issue: LCT-U.12.13



Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.