Load Cell Tester

FEATURES

- Provides the user with essential data about electrical conditions and physical distortion (zero balance)
- Fits most load-cells available in the market
- No need to remove the load-cell from the scale to do the test
- Stand-alone, portable, battery-operated
- Clear screen messages, user-friendly, easy to use

DESCRIPTION

The LCT-01 is a stand-alone portable hand-held device that was especially designed to help technical people immediately analyze the condition of strain-gage based load cells. The LCT fits all common types of load cells available in the market today: four wires, 6 wires (with sense) and all rated gain outputs.

The LCT provides the user with the essential data needed about the conditions of the tested load cell, such as physical distortion (possibly caused by overload, shock load or metal fatigue), and electrical conditions (bridge resistance, shielding and resistance to ground).

The LCT allows the user to test the load cell whether it is installed or removed. The unit is fully computerized and battery operated. A 16 x 2 alphanumeric LCD display guides the operator through all test stages and clearly displays the results. It is also equipped with a buzzer and LED which will alert the user as to any suspicious result.

The unit's three operation keys (plus an on/off switch) and concise messages on the display guide the user in a step-by-step fashion to it takes only a few minutes to learn how to use the LCT-01.

SPECIFICATIONS

PARAMETER	VALUE	UNIT
Power source	four standard AA alkaline batteries	
Approximate working time	500	hrs
Connectors	screw terminal	
Total connecting points	8 (2 input, 2 output, 2 sense, 1 shield, 1 ground)	
Size	100 X 180 X 44	mm
Weight	approx. 250	gram
Excitation	2.5	Vdc
Internal resolution	12	bit
Accommodate load cell type	four or six wire, up to 8K	
Total accuracy	2%	
Accommodate load cell gain	1mV/V - 5mV/V in 0.1mV/V steps	
Input resistance	1	resolution
Output resistance	1	resolution
Shielding to input/output impedance	up to 10	Ohms
Ground to input/output impedance	up to 10	Ohms

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