

DIGITAL LOAD CELL TESTER

FAST, RELIABLE TESTING OF LOAD CELLS

LCT-01
\$680



- ✓ Speeds Troubleshooting of Scale Systems
- ✓ Compatible with Most Load Cells
- ✓ No Need to Disconnect Load Cell to Test
- ✓ Stand-Alone, Portable, Battery Operated
- ✓ Clear Screen Messages

The LCT-01 is a portable device designed to help analyze the condition of strain gage-based load cells in scale and industrial applications. The LCT-01 works with most common types and ranges of load cells found in industry. The unit is fully computerized, and a 16 x 2 alphanumeric display guides the operator through all test stages and clearly displays the results. It is also equipped with an LED and buzzer to alert the operator to suspect results. The unit's 3 operating keys and concise messages guide the user through testing in a step-by-step process.

The LCT-01 provides the user with essential data on the condition of the load cell, such as physical condition (including distortions possibly caused by overloading, shock loads, or metal fatigue) and electrical conditions (such as bridge resistance and possible ground faults).

The LCT Will Test the Following Types of Strain Gage Load Cells:

Load Cell Configuration: 4- or 6-wire
Bridge Impedance: 1 mV/V to 5 mV/V; determined by user in 0.1 mV/V steps



LCT-01, \$680, shown smaller than actual size, with LCAE-10KG load cell, \$151, sold separately. See page F-80 for details.

Main Test Features

- Input Impedance:** 1 Ω resolution
- Output Impedance:** 1 Ω resolution
- Sense to Output Impedance:** 6-wire load cells
- Shielding to I/O Impedance:** Up to 10 M Ω
- Ground to I/O Impedance:** Up to 10 M Ω
- Load Cell Output:** In % of full scale

Recommended Reference Book:
 Measure for Measure,
OP-17, \$15.
 See Section Y
 For Additional Books

SPECIFICATIONS

- Excitation Voltage:** 2.5 Vdc
- Internal Resolution:** 12 bit
- Total Accuracy:** 2%
- Load Cell Output:** 1 mV/V to 5 mV/V selectable in 0.1 mV/V steps (default = 2 mV/V)
- Power:** 4 "AA" batteries (included)
- Battery Life:** Approx. 500 hr with alkaline
- Connections:** Push/clamp terminals
- Total Connecting Points:** 8 (2 input, 2 output, 2 sense, 1 shield, 1 ground)
- Size:** 100 W x 180 H x 44 mm D (4 x 7 x 1.75")
- Weight:** Approx: 250 g (8.8 oz)

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
MODEL NO.	PRICE	DESCRIPTION
LCT-01	\$680	Load cell tester

Comes complete with operator's manual and 4 "AA" batteries.

Ordering Example: LCT-01, load cell tester, batteries and complete operator's manual, \$680.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters