Load Cell Calibrator

FEATURES

- Versatile load cell calibrator with multiple functions
- Display, test, simulate, source—all in one unit
- Rechargeable Lithium-ion battery
- SD card for data logging
- USB computer connection
- On-screen user manual

DESCRIPTION

The VPG Transducers Model LC-II is a portable, multi-function, precision instrument for strain gage load cell system testing and calibration. This model now includes the powerful ARM processor, a display function (ideal for portable scales or field readings), an SD Card for data logging, a USB port for connection to a computer for certificates or spreadsheets, and a long lasting Lithium-ion battery pack. Supplied complete with carrying case, charger, and leads.

FUNCTIONS

Load cell Display Function: Show mass, force, strain, or torque from load cells; set mV/V, range, decimal point, and units; zero and span trim; select tare, peak hold.

Test Load Cell Function: Connect the load cell leads to spring terminals and get a readout of 4- or 6-wire, zero balance, input and output resistance, bridge balance, etc.

Test Insulation Function: Connect the leads to screen, housing, and gage to get a 50V insulation test between each in megohms.

Measurement Function: Show mV output, excitation voltage, mA outputs for systems, etc.

Source Function: High accuracy mV injection and mA output for workshop or field calibration of amplifiers and indicators.

Convert Function: Change between different mass units; grams, Newtons, ton, kilograms, etc.

SPECIFICATIONS				
MEASURE	**RANGE**	**IMPEDANCE**	**ACCURACY**	**RESOLUTION**
LC Display	–5 to +35 mV/V	min 3000Ω	0.01% FS	5 digit
Bridge Balance	–5 to +10 mV/V	≥1 MΩ	0.02 mV/V	0.001 mV/V
Resistance	0 to 2000Ω	—	0.03% FS	0.1Ω
Millivolt	–4.5 to 35 mV	≥1 MΩ	0.01% FS	0.001 mV/V
Voltage	0 to 20V	≥110 kΩ	0.01% FS	0.001V
Current	0 to 24 mA	±17Ω	0.02% FS	0.001 mA
Insulation (50V)	0 to 1000 MΩ	—	5% FS	1 MΩ
SOURCE	**RANGE**	**MAX LOAD**	**ACCURACY**	**RESOLUTION**
Millivolts	–5 to +50 mV	min 500Ω	0.01% FS	0.001 mV
Milliamps	0 to 24 mA	max 600Ω	0.01% FS	0.001 mA

All specifications subject to change without notice.