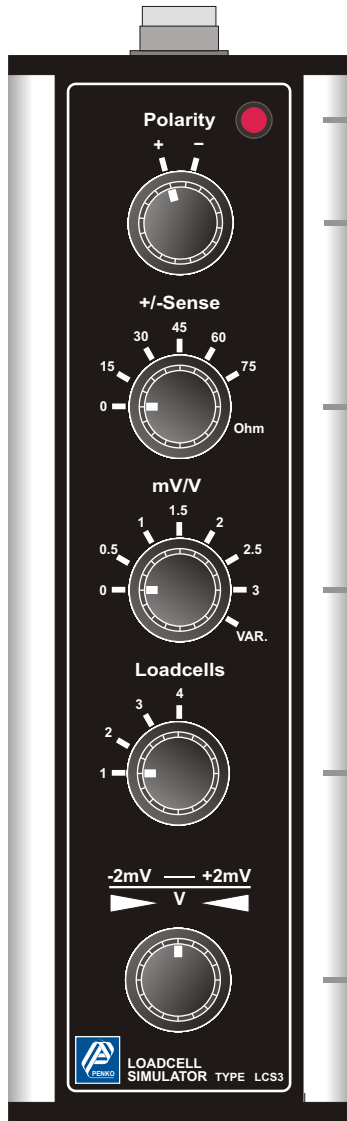




Load Cell Simulator, Model LCS-3

- Passive unit suitable for use with AC or DC excitation
- Output from 0 to 3 mV / V (in 6 steps) and continuous.
- Can simulate loading caused by up to 4 load cells
- Adjustable Sense resistance and Output polarity
- Nominal accuracy +/- 0.025%. Temp.coeff. 25 ppm/C.
- Includes 1.2m interconnecting cable with plug.
- Resistance equal to 350 Ohm Load cell.
- Compact 65 x 217 x 55 mm excluding cable.



SIMULATOR ACTIVE LED

Lights when simulator is connected to the amplifier /indicator excitation.

+/- POLARITY SWITCH

Sets the output signal polarity (plus or minus).

+/- SENSE-TEST SWITCH

Connects two resistors (up to 75 Ohms each) in series with plus and minus excitation voltage. (total 30 - 150 Ohms)
This function tests the sense capability of the indicator by adding these resistors in series with the excitation voltage.
This can be useful when safety barriers are in use.

OUTPUT SIGNAL SWITCH

Sets the output signal between 0 and 3 mV/V in 0.5mV/V steps
The zero position can be used to test the zero drift of the system.
The actual signal can be calculated if the excitation voltage is known.
e.g. 2 mV/V with 10 V excitation = 20 mV.

NUMBER OF LOADCELLS SWITCH

Simulates the electrical load caused by up to four 350 Ohm load cells wired in parallel.

+/- VARIABLE OUTPUT POTENTIOMETER

When the output signal switch is set to the VAR. position, the output signal can be continuously varied between approx.. -2mV/V and +2mV/V via this ten turn potentiometer.
This function can be used to simulate an increasing or decreasing weight value.

Specifications

Specifications are subject to change without prior notice

Accuracy	: +/- 0.025% typical
Temperature effects	: 25 ppm / degree C.
Temperature range	: -10 to +50 degree C.
Input	: 15V AC or DC maximum
Output	: 0, 0.5, 1, 1.5, 2, 2.5, 3 mV/V and variable.
Weight	: Approximately 400g.
Dimensions	: 65x217x55 mm excl. cable and connector.
Case	: Extruded anodized aluminum with brushed finish. Black ABS plastic end panels.



wiring connections

DS-LCS-3-1, 09/03



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Precision Load Cells
Accessories and Mountings
Measuring Instruments and Systems