

# SCALEOMATIC®

# LCS-2

## Load Cell Simulator

Simulation of signal to amplifier and indicator



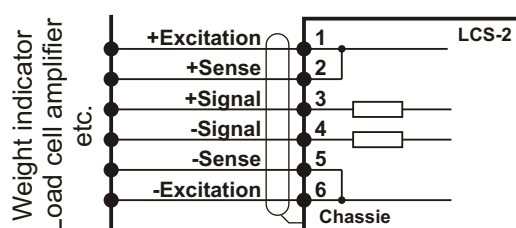
- Simulates mV-signal from resistive bridge coupled load cells
- Max load cell excitation 18V AC/DC
- 10 turn adjustment potentiometer
- Output 0-2.4 alt. 0-4.8 mV/V
- Separate 20-turn trim potentiometer for zero
- Zero range  $\pm 10\%$
- Strong metal house
- Useful aid for demonstrations
- Useful aid for program developing
- Useful aid for testing
- Useful aid for start up
- Useful aid for service

**LCS-2** is an accurate load cell simulator with adjustable output in mV/V by a 10-turn adjustment potentiometer. The simulator uses temperature stable resistors to avoid temperature drift of the output. LCS-2 is suitable for simulation of loadcell signal in demonstrations, program developments, test runs, service etc.

**LCS-2** is equipped with a zero trim potentiometer which enables the zero output, when the potentiometer is in position full anticlockwise, to be adjusted  $\pm 10\%$ . This means that the 'home position' can be set so it corresponds to a empty scale.

**LCS-2** is equipped with a 9-pin D-SUB pin contact for connection to the load cell input of scale amplifiers or scale indicators. The connector has **SCALEOMATIC®** standard wiring which means that it can be connected directly to other **SCALEOMATIC®** units via the included cable.

### Connection



## Technical data

### Load cell signal

Output range	0-2.4 <sup>1</sup> mV/V alt. 0-4.8 mV/V Programmable by jumper
Output resolution	0.02 %
Zero range	$\pm 10\%$
Zero range resolution	0.1 %
Impedance in	Appr. 350 ohm
Impedance out	Appr. 350 ohm
Max excitation	18 V AC/DC
Temperature drift	Max 20 ppm/°C

### Housing

General	Shielded metal house
Length-Width-Height	115 - 60 - 30 mm
Weight	0.3 kg

### Environment

Temperature range:	
Run	-25 - +60 °C
Storing	-25 - +85 °C
Humidity	20 - 80 % non condensating
<sup>1</sup> On delivery	

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