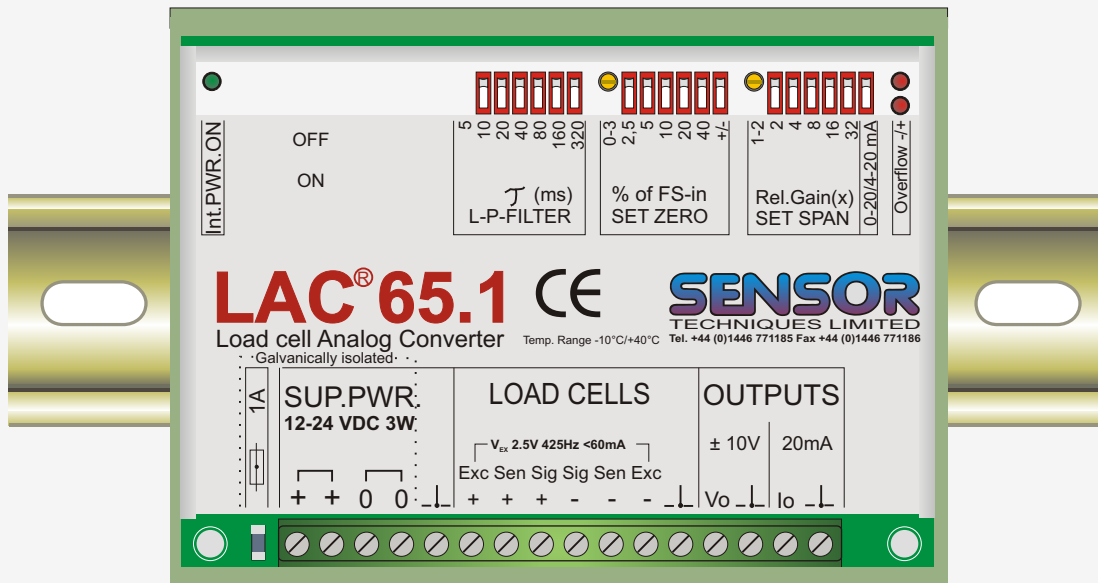


LAC 65.1

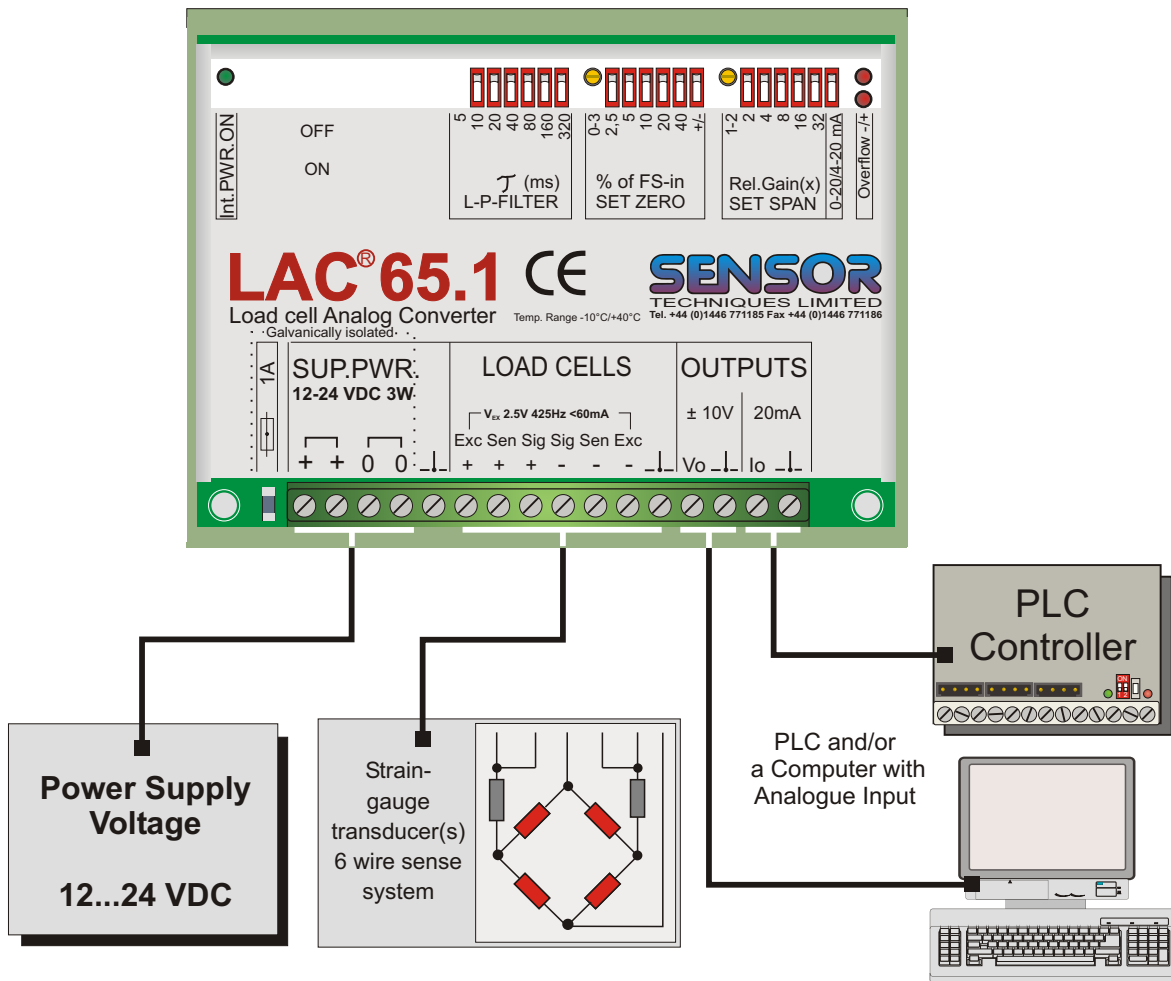
Universal Load Cell Amplifier Module

SENSOR
TECHNIQUES LIMITED



Load Cell Amplifier Module Model LAC 65.1

- Linearity better than 0.010 % of full scale
- Analogue outputs of both 0/4...20mA and +/- 10V DC
- Independently EMC tested and fully CE approved
- Capable of driving up to four 350 Ohm Load Cells
- Active low pass filter from 0.25 Hz to 32 Hz
- Supply voltage 12 - 24 VDC +10/-15%
- Zero offset up to $\pm 80\%$ of full scale
- Input signal range up to ± 3.3 mV/V
- Zero and Span coarse and fine adjustment
- Steel case mounted on Phoenix DIN rail module



Specification

Specifications are subject to change without prior notice

Linearity	: < 0.010 % F.S.
Excitation Voltage	: 2.5V AC 425Hz with sense circuit, driving up to 4 transducers with 350 Ohm bridges
Input Signal Range	: 0.17...3.3mV/V in 32 steps
Signal Filter	: 0.25 ...32 Hz active low pass filter in 64 steps
Indicators	: LEDs to show Positive or Negative Signal Overflow and Internal Power ON
Tare offset	: ± 80% of full scale while still allowing the remaining 20% to be scaled 4-20mA or 0-10V
Current Output	: 4 - 20mA or 0 - 20mA
Voltage Output	: 0 to ±10V
Temperature Effect Zero	: < 50ppm/°C
Temperature Effect Span	: < 25ppm/°C
Temperature Range	: -10°C to +40°C
Housing	: Plated steel case mounted on a Phoenix UMK DIN rail module
Dimensions	: 113 x 77 x 37 mm (W x D x H)
Weight	: Approx. 0.2 kg
Power Supply	: 12 ...24 VDC +10/-15% , 3W max.

DSLAC65.1-5, 8/01