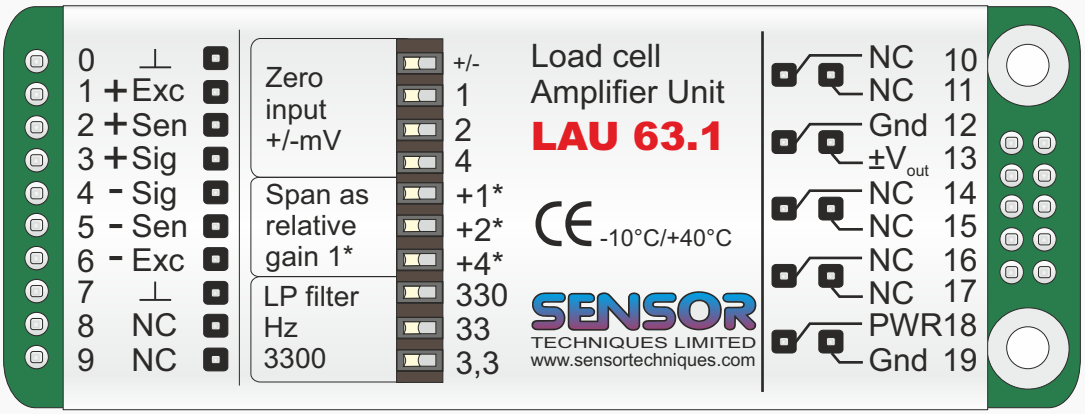
LAU 63.1

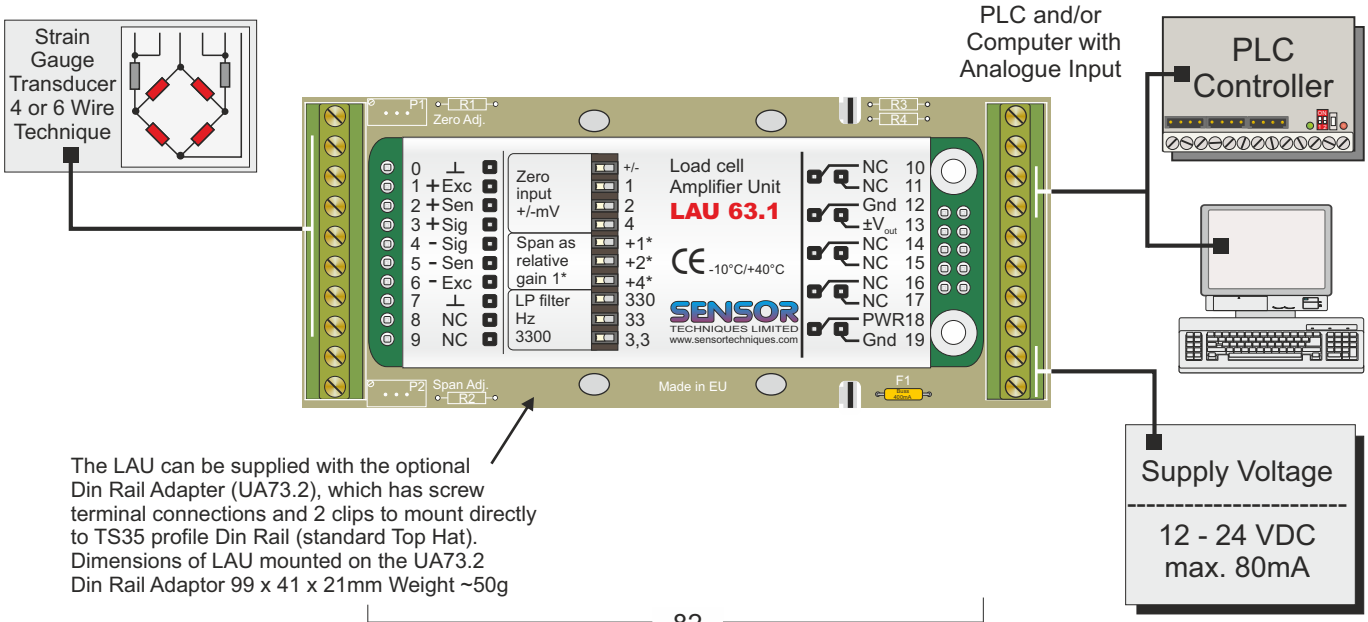
Strain Gauge Amplifier with Bipolar Output

SENSOR TECHNIQUES LIMITED

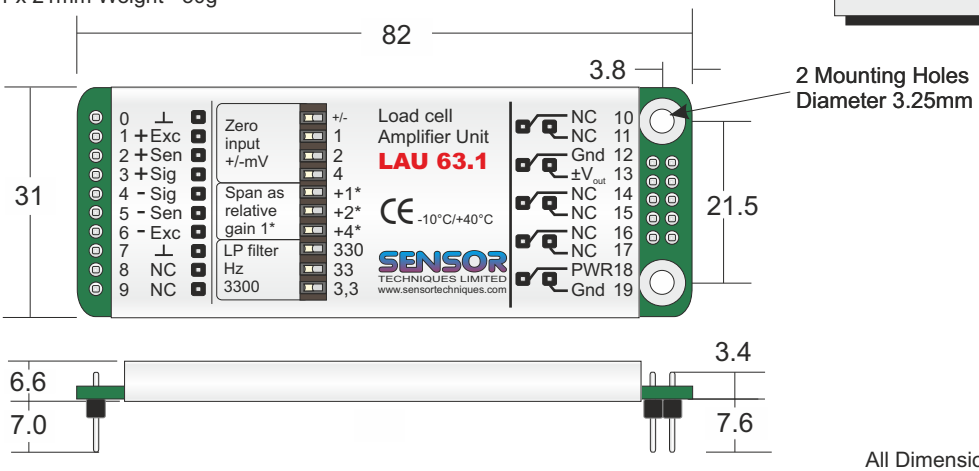


Amplifier with Analogue Output, Model LAU 63.1

- **Linearity < 0.010% of full scale**
- **Module power supply 12 - 24 VDC +10% -5%**
- **Drives one Load Cell, 350 ~ 1000 Ohms**
- **Input signal range ± 6.6 mV/V**
- **Zero offset ± 1.4mV/V in 0.2mV/V increments**
- **Relative Gain settings between x1 and x7**
- **Output 0 to ± 10V DC**
- **Selectable low pass filter 3.3Hz to 3300Hz**
- **Shielded PCB construction**
- **Dimensions 82 x 31 x 13.6 mm (including connector pins)**



The LAU can be supplied with the optional Din Rail Adapter (UA73.2), which has screw terminal connections and 2 clips to mount directly to TS35 profile Din Rail (standard Top Hat). Dimensions of LAU mounted on the UA73.2 Din Rail Adaptor 99 x 41 x 21mm Weight ~50g



All Dimensions in mm
Specifications are subject to change without prior notice

Specification

Linearity	: < 0.010 % F.S.
Excitation Voltage	: 10V DC, driving 1 transducer with 350 ~ 1000 Ohm bridge
Measurement Mode	: 4-wire (connections provided for 6-wire transducers)
Input Signal Range	: ± 6.6 mV/V
Signal Filter	: Selectable 3.3, 33, 330 or 3300Hz
Zero offset	: ± 1.4 mV/V in 0.2 mV/V steps.
Voltage Output	: 0 to ±10V DC 20mA 500 Ohm load
Temperature Effect Zero	: < 50ppm/°C
Temperature Effect Span	: < 50ppm/°C
Temperature Range(Compensated)	: -10°C to +40°C
Temperature Range(Operating)	: -20°C to +50°C
Construction	: PCB with wrap around steel shield case sealed to IP40. Connector pins press fit pre-fitted. Optional Din Rail Adaptor with sockets available at extra cost
Dimensions	: 82 x 31 x 13.6 mm (W x D x H including connector pins)
Weight	: Approx. 30g
Power Supply	:12-24 VDC +10/-5%.max 80mA

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