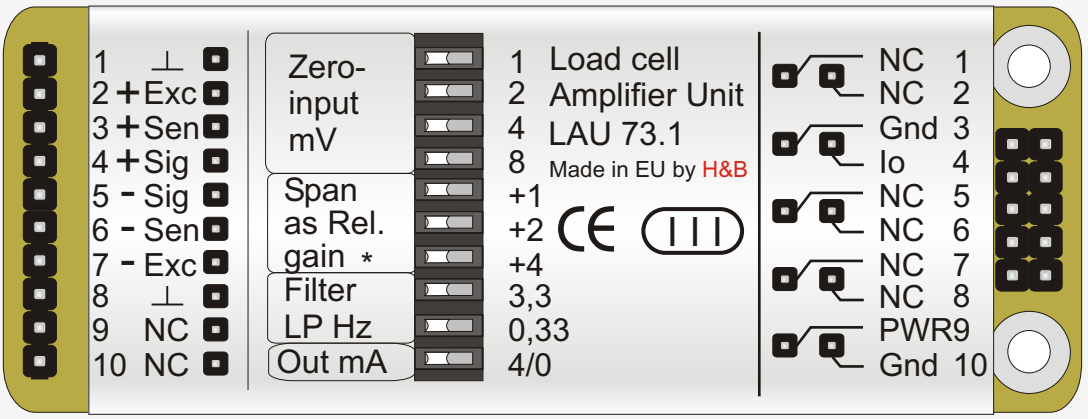
LAU 73.1

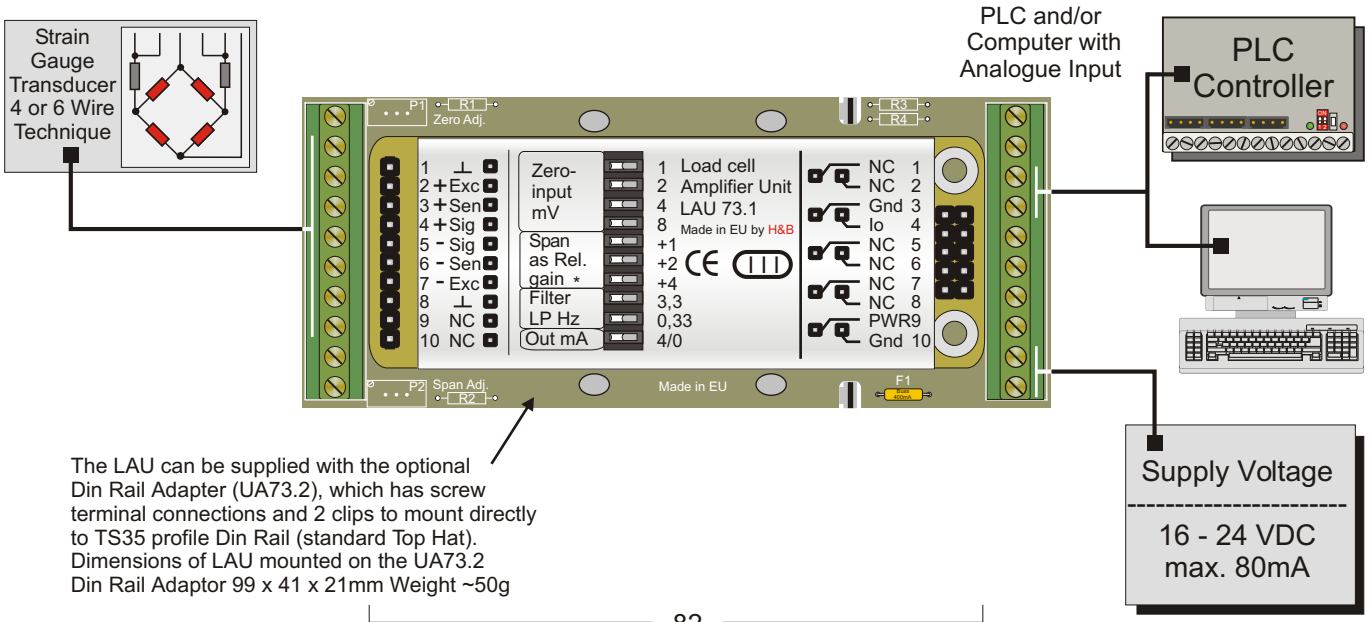
Strain Gauge Amplifier with Analogue Output

SENSOR TECHNIQUES LIMITED

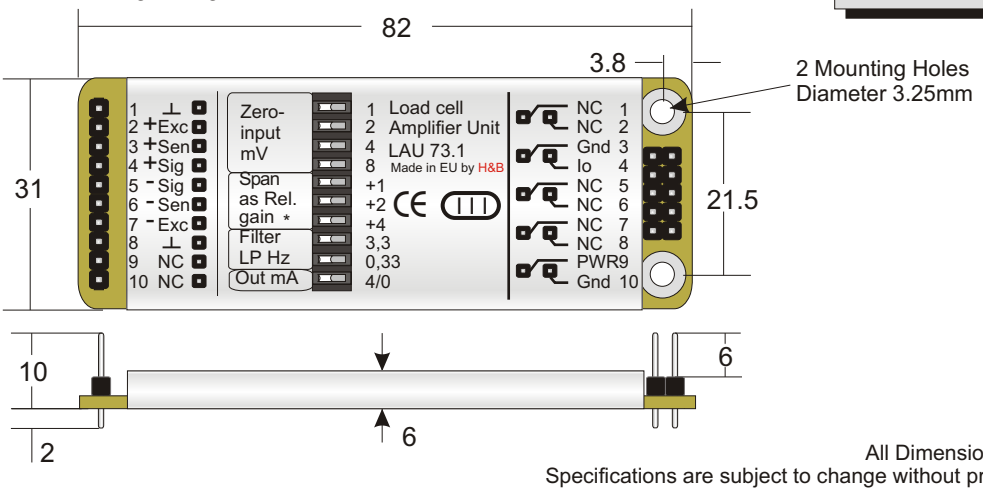


Amplifier with Analogue Output, Model LAU 73.1

- **Linearity < 0.010% of full scale**
- **Module power supply 16 - 24 VDC +10% -15%**
- **Drives one Load Cell, 320 ~ 2000 Ohms**
- **Input signal range -0.2mV/V to +2.3mV/V**
- **Zero offset 0-65% of full scale**
- **Relative Gain settings between x1 and x7**
- **Output 0-20mA or 4-20mA or 0-10V (with resistor)**
- **Selectable low pass filter 0.33Hz to 33Hz**
- **Shielded PCB construction**
- **Dimensions 82 x 31 x 6 mm (excluding 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 320 ~ 2000 Ohm bridge
Measurement Mode	: 4-wire (connections provided for 6-wire transducers)
Input Signal Range	: -0.2 to +2.3 mV/V
Signal Filter	: Selectable 0.33, 3.3 or 33Hz
Zero offset	: Up to 1.5mV/V in 0.1mV/V steps.
Current Output	: 4 - 20mA or 0 - 20mA
Voltage Output	: 0 - 10V DC by placing a 500R resistor across the 0-20mA output
Temperature Effect Zero	: < 100ppm/°C
Temperature Effect Span	: < 50ppm/°C
Temperature Range	: -10°C to +40°C
Construction	: PCB with wrap around steel shield case sealed to IP40. Connector pins supplied but not mounted. Optional Din Rail Adaptor available at extra cost
Dimensions	: 82 x 31 x 6 mm (W x D x H excluding connector pins)
Weight	: Approx. 30g
Power Supply	:16-24 VDC +10/-15%.max 80mA

DSLAU73.1-2,02/02

SENSOR TECHNIQUES LIMITED
Tel. +44 (0)1446 771185 Fax +44 (0)1446 771186