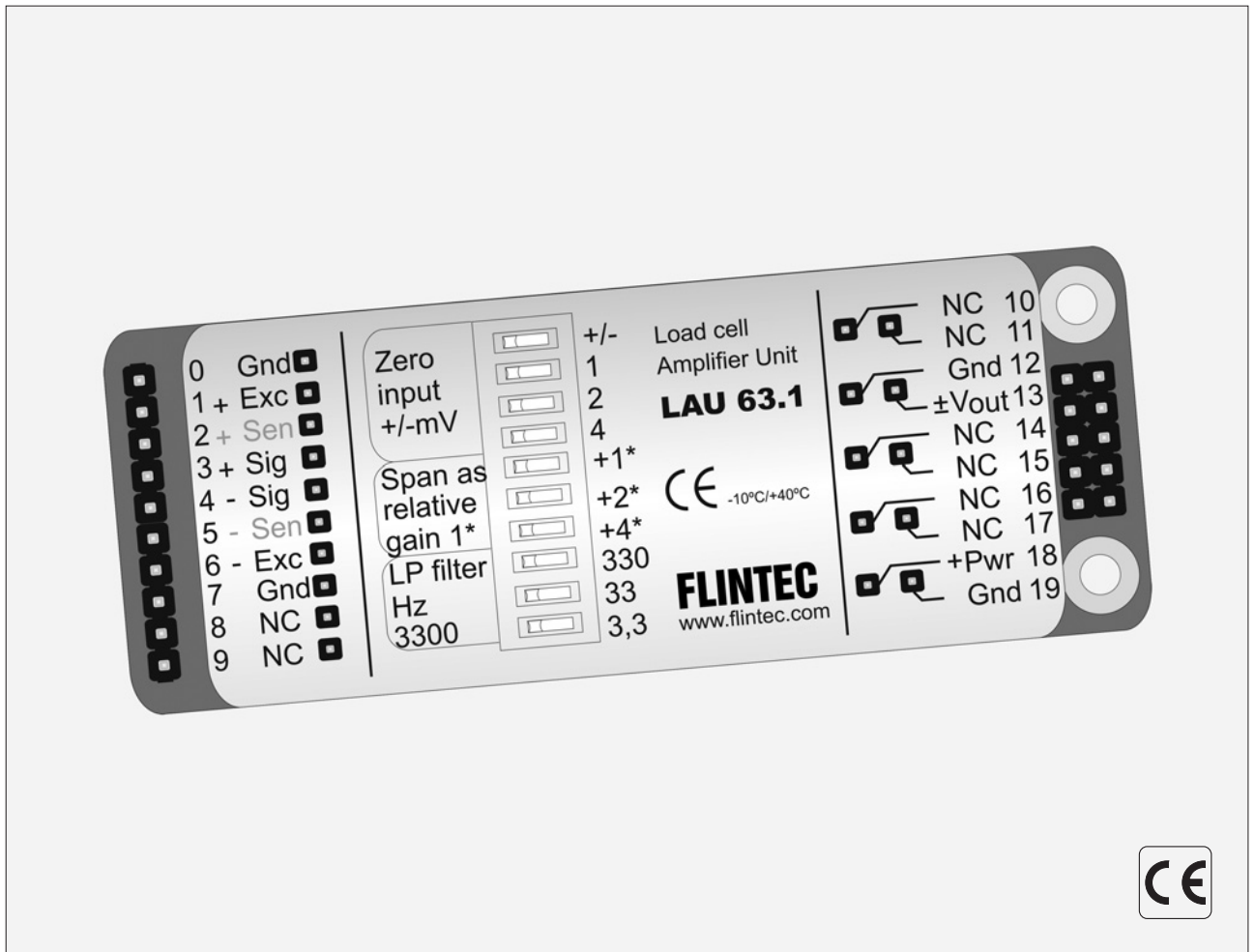


Analogue Amplifier Type LAU 63.1



The Analogue Amplifier Type LAU 63.1 is designed for OEM applications to connect one strain gauge load cell or sensor. DIP-switch setting for zero, gain and filtering.

The LAU 63.1 is a universal amplifier for static and dynamic applications.

Analogue output 0 ... ±10 V to connect with PLC and/or PC systems. Fine trimming for zero and span to be done by PLC and/or PC connected.

Fine trimming for zero and span is possible with optional Unit Adapter Board UA 73.2. (Additional components to be installed).

Important Features

- Load cell excitation 10 V DC for sensors ≥250 Ohm.
- Output 0 ... ±10 V.
- For static and dynamic applications.
- Filtering 3.3 ... 3300 Hz.
- Zero/gain/filter adjustment by DIP-switches.
- Power supply 12 ... 24 VDC.

Option

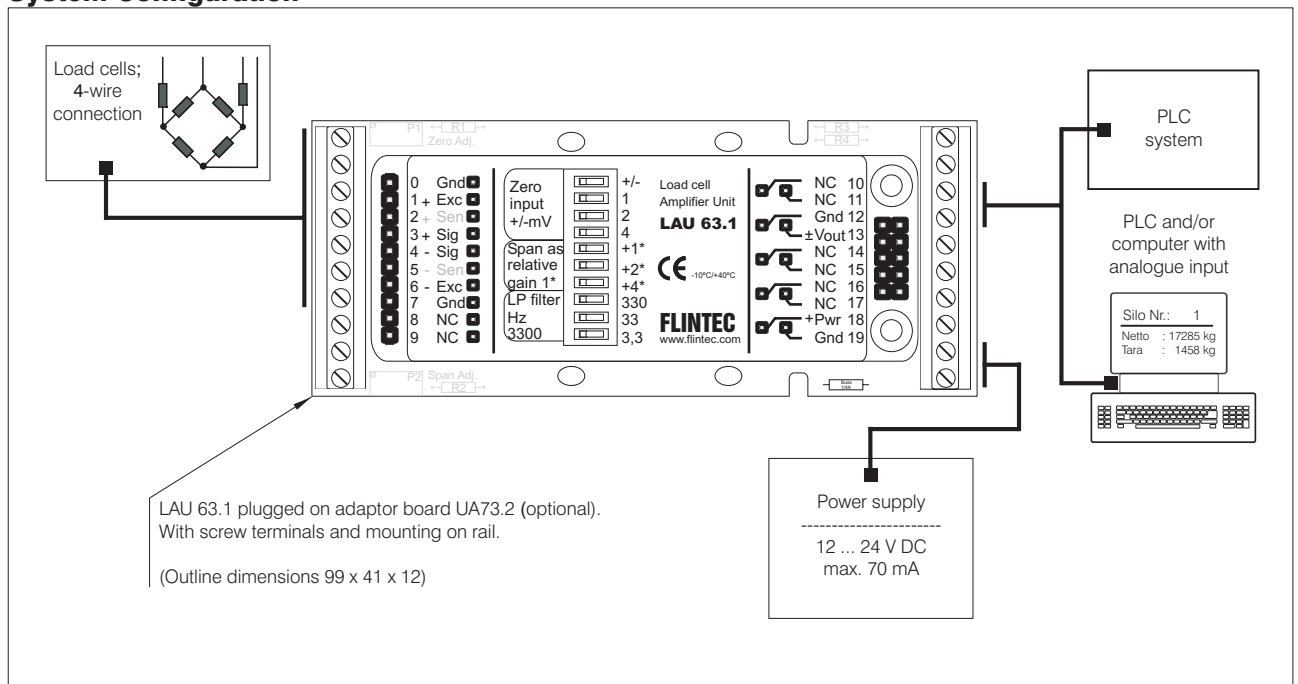
- UA 73.2 Unit Adaptor Board with screw terminals; for DIN-rail mounting.

LAU 63.1 Specifications

Linearity	< 0.01 %
Excitation	10 V DC for load cell(s) 250 ... 2000 Ohm, 4 wire technique Provision is made to connect 6-wire load cell(s); terminal 2 and 5
Analogue input range	-23 mV to +23 mV, (-2.3 mV/V to +2.3 mV/V)
Voltage output	0 to ±10 Volt / 500 Ohm max., short circuit proof
Zero adjustment (Offset)	-7 mV to +7 mV in 1 mV steps
Span adjustment	in 8 steps
Input filter	3.3; 33; 330 or 3300 Hz setting by DIP-switches
Temperature effects	on zero 50 ppm/°K on span 50 ppm/°K
Temperature range	-10 °C to +40 °C (operating); -20 °C to +50 °C (storage)
Enclosure	tinned steel enclosure, protection IP 40, special housing IP 65 on request
Dimensions	82 x 31 x 6 mm, weight approx. 26 g; with adaptor board 99 x 41 x 12 mm, approx. 50 g
Power supply	12 ... 24 V DC, max. 70 mA, not galvanically isolated
Option	UA 73.2 Adaptor board with screw terminals; for 35 mm DIN-rail mounting
EMC	CE 73/23/EEC; 93/98/EEC and 89/336/EEC

All dimensions in mm. Dimensions and specifications are subject to change without notice.

System Configuration



Dimensions

