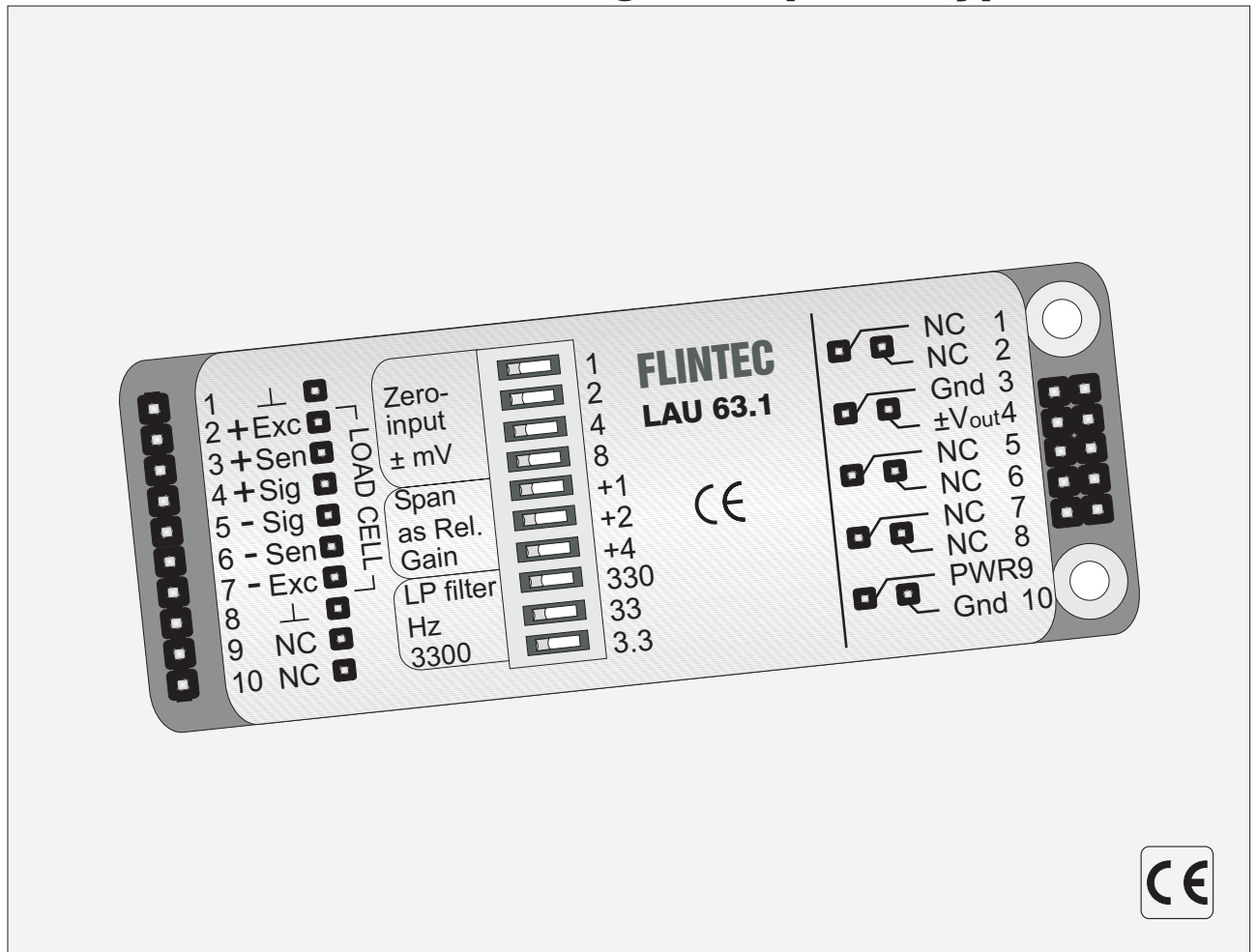


Analogue Amplifier Type LAU 63.1



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 ist a universal amplifier for static and dynamic applications.

Analogue output $-10...+10$ V to connect with PLC and/or PC systems. Fine trimming for zero and gain is not available. Calibration to be done in PLC and/or PC.

Important Features

- Load cell excitation 10 V DC for sensors ≥ 350 Ohm.
- 6 Wire load cell connection.
- Output $-10...+10$ V.
- For static and dynamic applications.
- Filterung 3,3...3.300 Hz.
- Zero/gain/filter adjustment by DIP switches.
- Power supply 12...24 VDC.

Option

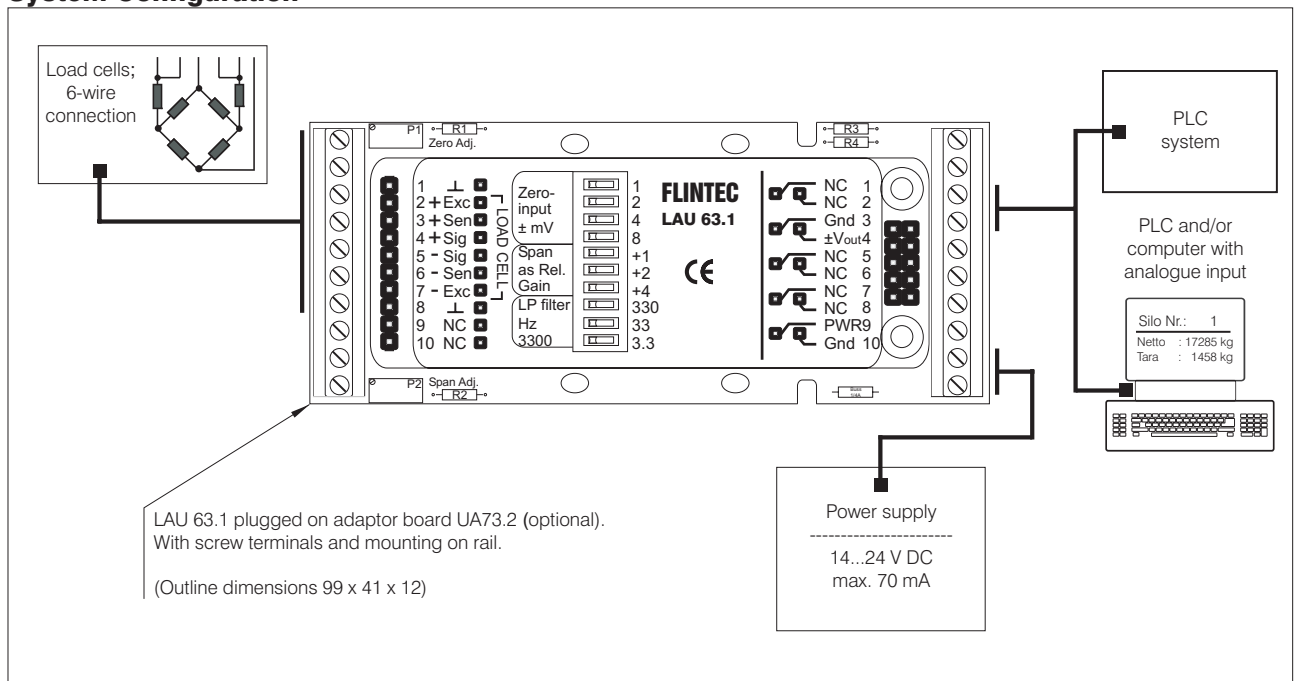
- Adaptor board with screw terminals for mounting on rail.

LAU 63.1 Specifications

Linearity	< 0,01 %
Excitation	10 V DC, for 1 load cell 350...2000 Ohm, 6 wire technique
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.
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; storage -20 °C to +50 °C
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	Adaptor board with screw terminals for mounting on rail
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

