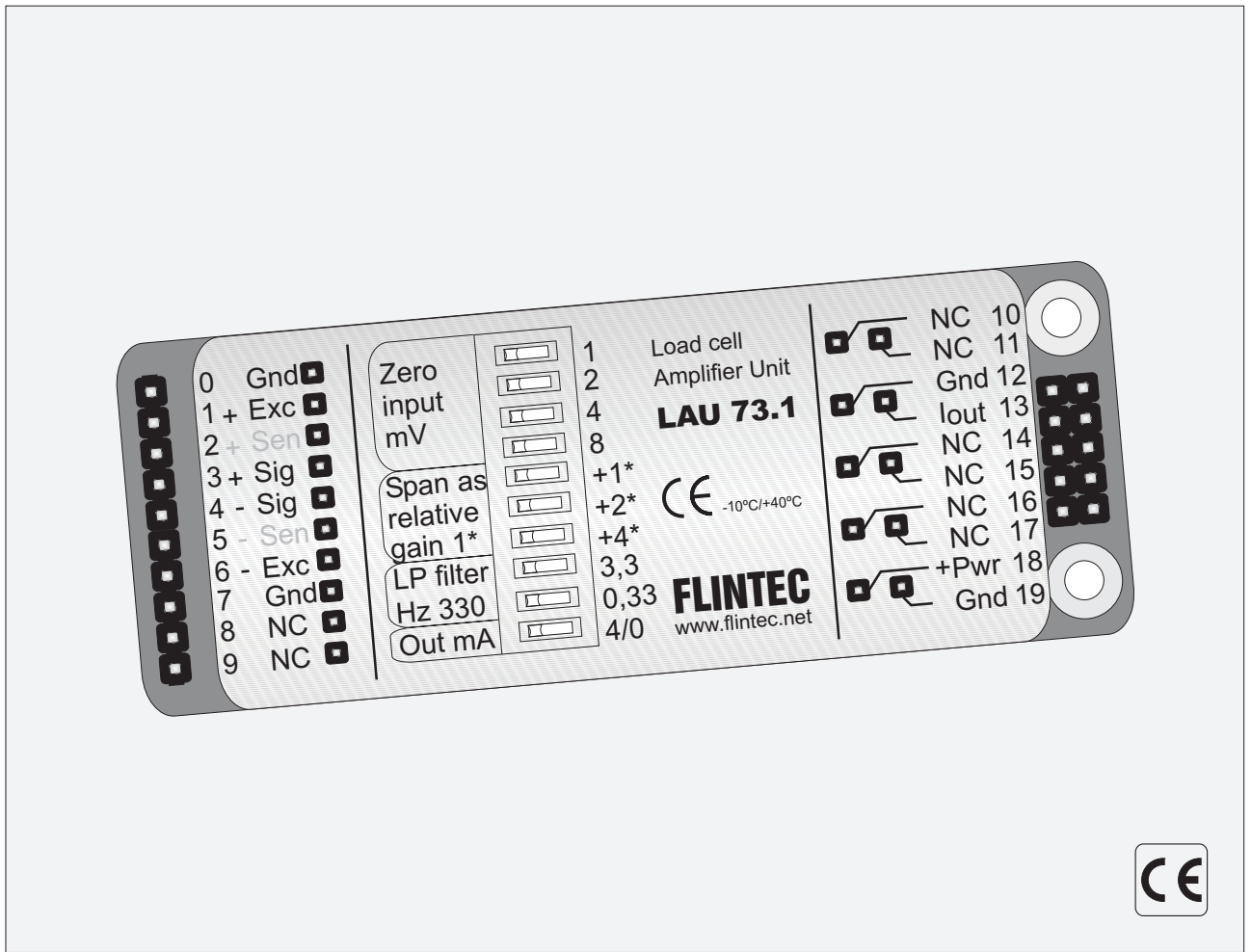


## Analogue Amplifier Type LAU 73.1



The Analogue Amplifier Type LAU 73.1 is designed for OEM applications to connect one strain gauge load cell or sensor. DIP switch setting for zero, gain and filtering.

The LAU 73.1 is a universal amplifier for static / semi-static applications.

Analogue output 0/4... 20 mA 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  $\geq 250$  Ohm.
- Output 0/4 ... 20 mA.
- Filterung 0,33 ... 33 Hz.
- Zero/gain/filter adjustment by DIP switches.
- Power supply 12...24 VDC.

### Option

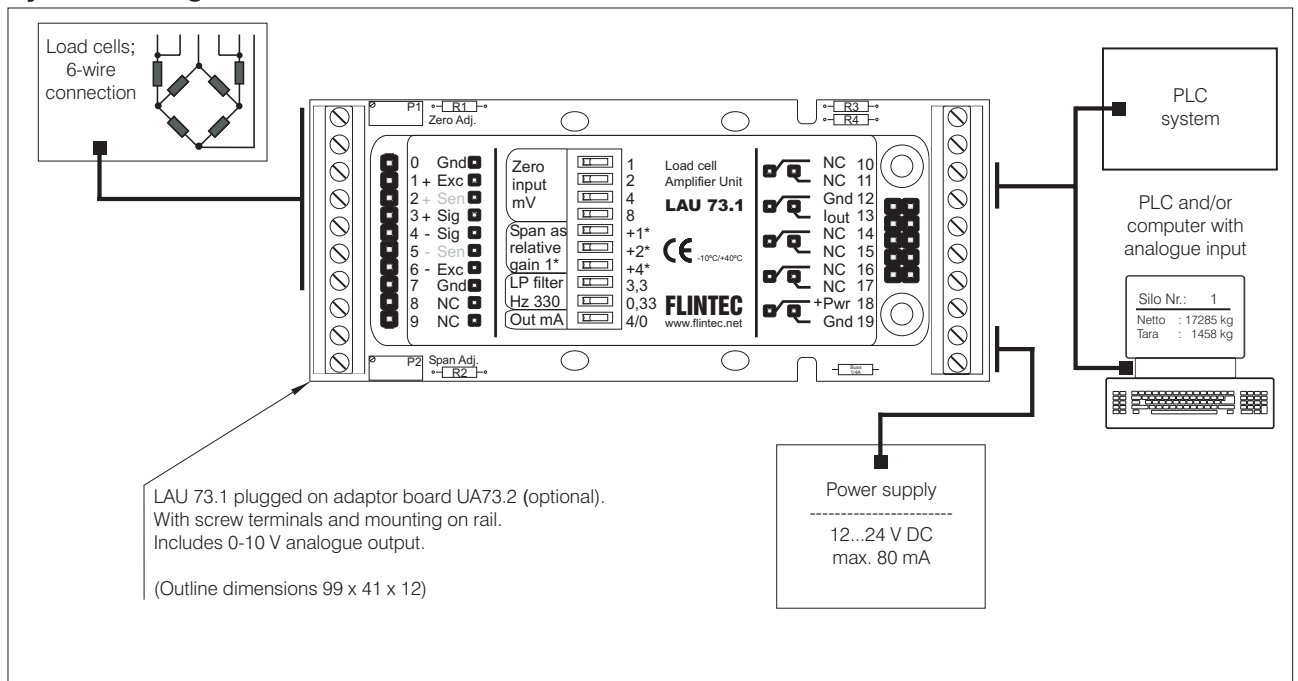
- Adaptor board with screw terminals for mounting on rail and 0-10 V analogue output with fine trimming potentiometers.

## LAU 73.1 Specifications

Linearity	< 0,01 %
Excitation	10 V DC, for 1 load cell 250...2000 Ohm, 4 wire technique
Analogue input range	-2 mV to +23 mV, (-0.2 mV/V to +2,3 mV/V)
Current output	0 - 20 mA or 4 - 20 mA / 500 Ohm max.
Zero adjustment (Offset)	0 mV/V to +1,5 mV/V in 0,1 mV/V steps
Span adjustment	in 8 steps
Input filter	0,33; 3,3; 33 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. 30 g; with adaptor board 99 x 41 x 12 mm, approx. 50 g
Power supply	12...24 V DC, max. 80 mA, not galvanically isolated
Option	Adaptor board with screw terminals for mounting on rail and 0-10 V analogue output with fine trimming potentiometers
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

