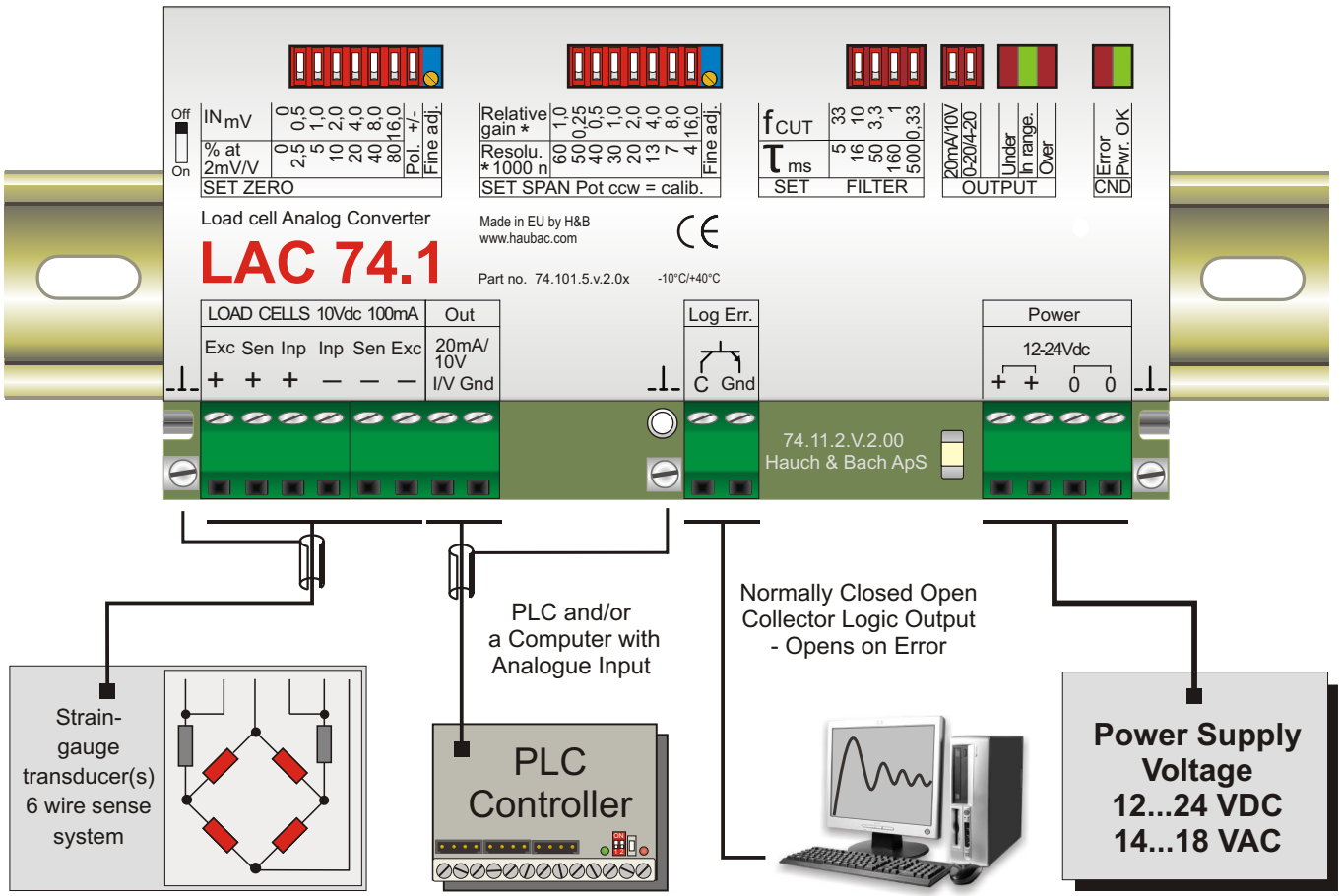
LAC 74.1

Load Cell Amplifier with Analogue Output

Engströms Vågteknik AB

Analogue Load Cell Amplifier with Analogue Output

- **Linearity better than 0.010 % of full scale**
- **Analogue outputs of 0/4...20mA or 0 - 10V DC**
- **Independently EMC tested and fully CE approved**
- **Capable of driving up to four 350 Ohm Load Cells**
- **Active low pass filter from 0.33 Hz to 33 Hz**
- **Supply voltage 12 - 24 VDC +10/-15%**
- **Zero offset up to ± 90% of full scale**
- **Input signal range up to 3.5 mV/V**
- **Zero and Span coarse and fine adjustment**
- **PCB with plated steel case mounted on DIN rail clips**



Specifications

Specifications are subject to change without prior notice

Linearity	: < 0.010 % F.S.
Excitation Voltage	: 10V DC with sense circuit, driving up to 4 transducers with 350 Ohm bridges
Input Signal Range	: 0.1...3.5mV/V in 32 steps
Signal Filter	: 0.33 ...33 Hz active low pass filter in 5 steps
Indicators	: LEDs to show Signal Under-/Over-/In-range, Internal Power ON and Error
Logic Output	: Normally closed open collector output which opens when an error occurs (short circuit on load cell supply, signal or sense wires/output out of range/power failure/4-20mA loop open circuit)
Tare offset	: ± 90% of full scale while still allowing the remaining 10% to be scaled 4-20mA or 0-10V
Current Output or	: 4 - 20mA or 0 - 20mA
Voltage Output	: 0 to 10V
Temperature Effect Zero	: < ±25ppm/°C
Temperature Effect Span	: < ±50ppm/°C
Temperature Range	: -10°C to +40°C
Construction	: Single PCB enclosed in a plated steel case, mounted on dual TS35 clips
Dimensions	: 135 x 66 x 28 mm (W x D x H)
Weight	: Approx. 0.2 kg
Power Supply	: 12 ...24 VDC +10/-15% or 14-18VAC, 3W max.

Engströms Vågteknik AB
VÄGNING & DOSERING
adress: Tivolivägen 5, 231 93 Trelleborg telefon: 0410-445 54 hemsida: www.evtab.se epost: info@evtab.se