



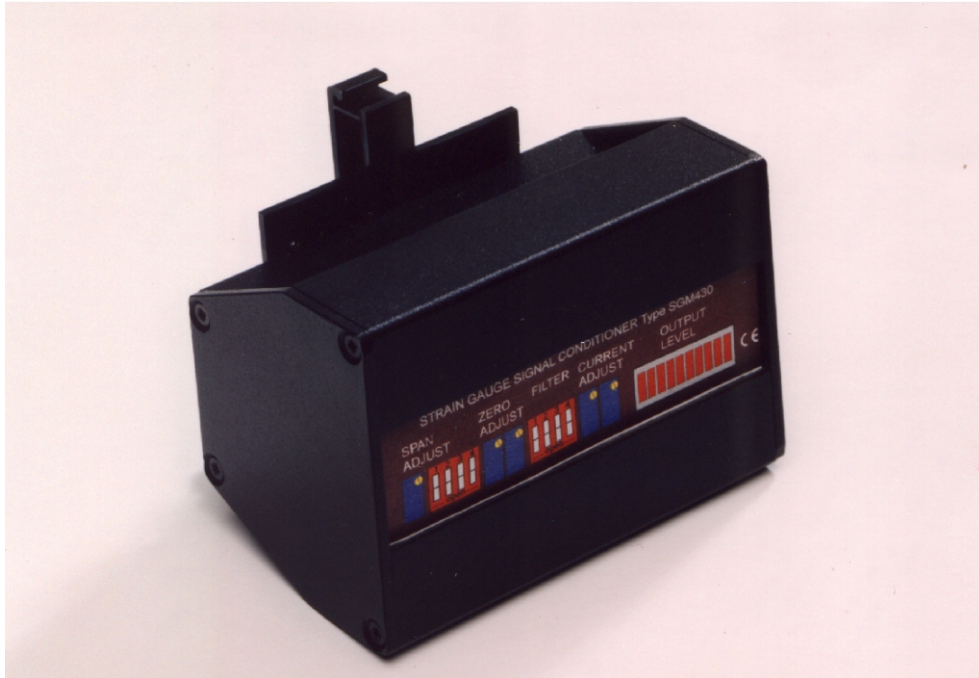
PENKO

PENKO

an ETC Company

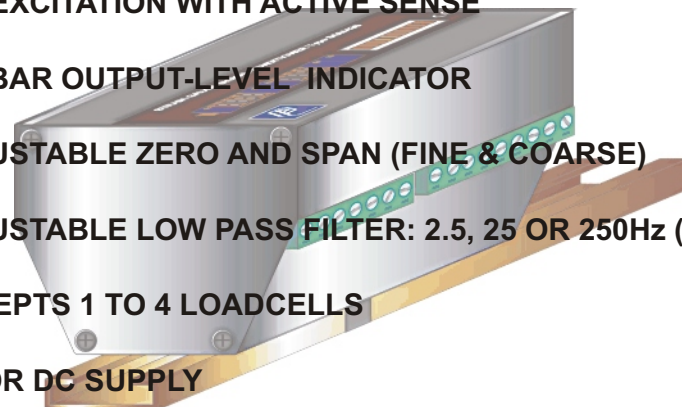
SGM430

Amplifier SGM430

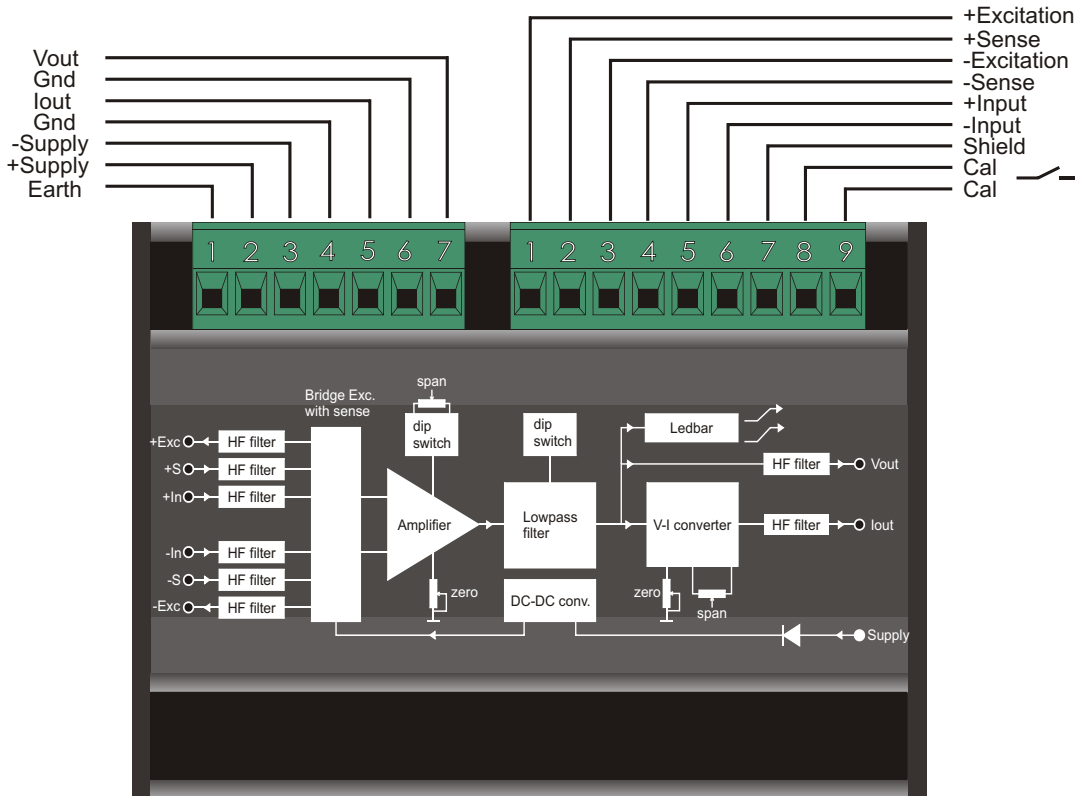


STRAIN GAUGE SIGNAL CONDITIONER SGM 430

- STRAIN GAUGE INPUT INSTRUMENTATION AMPLIFIER
- 0-10V AND 4-20mA OUTPUTS
- 10V EXCITATION WITH ACTIVE SENSE
- LEDBAR OUTPUT-LEVEL INDICATOR
- ADJUSTABLE ZERO AND SPAN (FINE & COARSE)
- ADJUSTABLE LOW PASS FILTER: 2.5, 25 OR 250Hz (12dB)
- ACCEPTS 1 TO 4 LOADCELLS
- AC OR DC SUPPLY
- RAIL MOUNTING (EN 50.022 - 35X7.5) MODULE HOUSING
- ALUMINIUM CASE



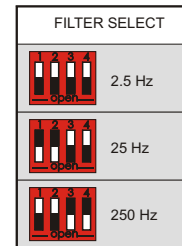
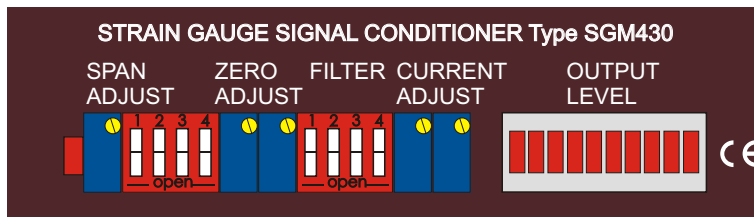
Product info



REAR VIEW



FRONT ADJUSTMENTS



POWER IND.
SPAN FINE ADJ.
SPAN SELECT
ZERO FINE
ZERO COARSE

LEDBAR INDICATOR
SPAN ADJUST CURRENT
ZERO ADJUST CURRENT
CUT OFF FREQ. SELECT

Technical specifications:

Power supply	: 16-30 Vdc. or 12-18 Vac.
Power consumption	: about 250mA (with 4 loadcells of 350 ohm connected)
Bridge excitation	: 10 Vdc suitable for 1-4 load cells (350 Ohm) with active sense for long cables or safety barriers.
Signal input range	: 0.5 mV/V - 2.5 mV/V.
Input impedance	: 10 GigaOhm.
Linearity	: 0.01 % FS.
Dead load compensation	: ca. 50%.
Temperature effects (FS)	: on zero $\leq 0.005\%/^{\circ}\text{C}$ on span $\leq 0.0025\%/^{\circ}\text{C}$ typical.
Temperature range	: operating -10 - + 40°C storage -25 - + 80°C
Analog filter	: 2.5, 25 or 250 Hz, 12 dB/octave c.q. 40dB/decade. (-3dB)
Output	: 0-10V and 4-20mA (4-24mA) / 500 Ohm max.
Consumption	: 7 Watt max.
Weight	: approx. 500g.
Dimensions	: 105 x 76 x 62 mm excl. mounting clip.

Amplifier SGM430