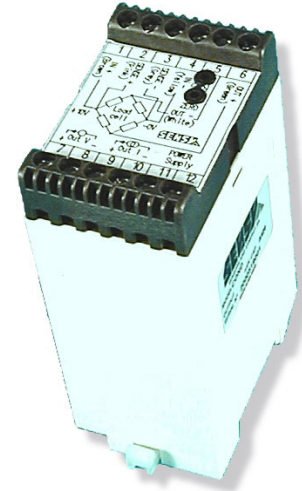


COND-A420

AMPLIFIER – CONDITIONER

The amplifier-conditioner COND-A420 provides a normalised signal in current and voltage from every transducer based on the strain-gauge technology.

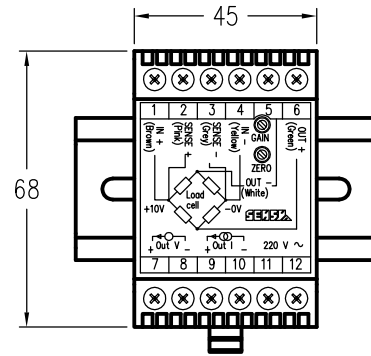
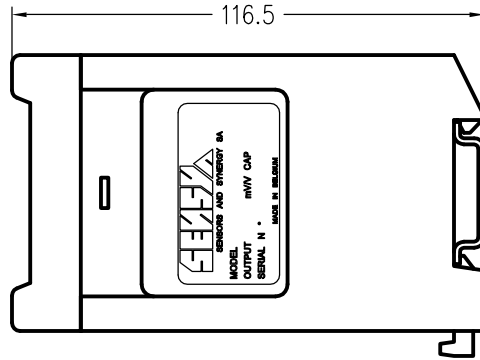


Input Signal	<p>From 0.5 to 2 mV/V</p> <p>Excitation of 1 to 4 load cells 350 Ω</p> <p>Excitation 10 VDC (120 mA max.)</p> <p>Adjusting range of gain from 500 to 2.000</p> <p>Adjusting range of zero 0 to 75 %.</p>
Output signal	<p>0..10 VDC (minimum load 1 kΩ)</p> <p>0..20 mA (maximum load 800 Ω)</p> <p>4..20 mA (maximum load 800 Ω)</p>
Accuracy	<p>Non-linearity \pm 0.01% of full scale</p> <p>Zero drift \pm 200 ppm /$^{\circ}$C of full scale</p> <p>Thermic drift on span \pm 60 ppm /$^{\circ}$C of signal</p>
Specifications	<p>Frequency response : 0..10Hz (-3dB, 12dB/octave)</p> <p>Operating temperature : - 10$^{\circ}$C.. + 60$^{\circ}$C</p>
Adjustment	Zero point and full scale by potentiometer on the front panel.
Power supply	110, 220 VAC (+10/-15%) 50/60 Hz
Consumption	3 VA
Housing	NORYL, weight 0.25 kg, socket ABS Din rail mounting (EN50022)

AMPLIFIER – CONDITIONER

model COND–A420

The COND–A420 (amplifier and transmitter) provides a normalized signal (0..10 V or 0..20 mA or 4..20 mA) from one to four force transducers connected in parallel.



Input signal : Excitation of 1 to 4 load cells 350Ω
Excitation : 10 VDC, I max 120 mA
Adjusting range of gain : 500 à 2000
Adjusting range of zero : 0 to 75 %

Output signal : 0-10V : (minimum load 1 KΩ).
0-20 mA : (maximum load 800 Ω)
4-20 : (maximum load 800 Ω)

Accuracy : Non-linearity : $\leq \pm 0,01\%$ of full scale
Thermal Zero drift : $\leq \pm 200\text{ppm}/^\circ\text{C}$ of full scale
Thermal Span drift : $\leq \pm 60\text{ppm}/^\circ\text{C}$ of signal

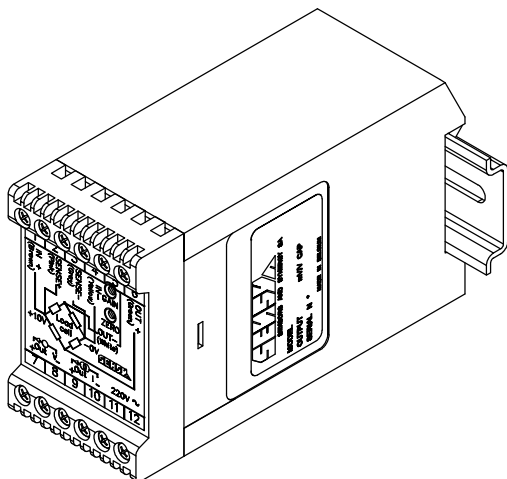
Specifications : Noise : $\leq 0,05\%$ of full scale
Frequency response : 0 ... 10Hz (-3dB, 12 dB/octave).
Operating temperature : -10°C ... $+60^\circ\text{C}$

Adjustment : Zero point and full scale by potentiometer on the front plate.

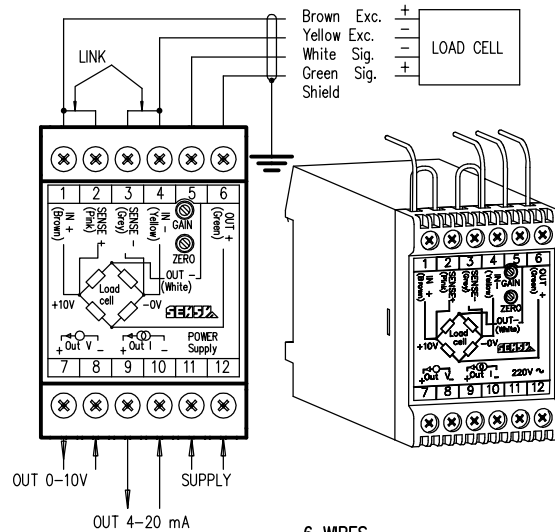
Power Supply : 230 V ($\pm +10/-15\%$) 50/60 Hz.

Consumption : 3 VA

Housing : NORYL box, weight 250 g, socket ABS
Dimensions : 45 x 68 x 116 mm
Din rail mounting (EN50022).



4 WIRES



6 WIRES

