

COND-A420

CONDITIONERS - AMPLIFIERS FOR STRAIN-GAUGE-BASED TRANSDUCERS

The COND-A420 conditioners - amplifiers provide standardised signals in current and voltage from every load cell, force transducer and torque sensor based on strain-gauge technology.



COND-A420



Features

- o Input range: Wheatstone bridge (4 or 6 wires connection (sense))
- o Output: 4(0)...20 mA and 0...10 V (simultaneously)
- o Sensor excitation: 10 V (120 mA max.) available for up to 4 x 350 ohms. Load cells connected in parallel
- o DIN rail mounting

Application(s) SENSY's COND-A420 are perfectly designed for the following application:

- Industrial weighing.

Function(s)

- Zero-point and full-scale adjustment by potentiometers (20 turns) on the front panel
- Correction of the influence of transducer cable length (6-wire technology)

Specifications	COND-A420	COND-A420-DC	
Type	Strain-gauge conditioner (mV/V)	Strain-gauge conditioner (mV/V)	-
Input range	0.5...2 mV/V	0.5...2 mV/V	-
Sensor excitation	10 VDC (120 mA max.)	10 VDC (120 mA max.)	-
Non-linearity error	<± 0.01	<± 0.01	% F.S.*
Display	-	-	-
Bandwidth	0...10	0...10	Hz
Service temperature range	-10...+60	-10...+60	°C
Storage temperature range	-30...+80	-30...+80	°C
Temperature coefficient of the sensitivity	<± 0.06	<± 0.06	% F.S.* / 10°C
Temperature coefficient of zero signal	<± 0.2	<± 0.2	% F.S.* / 10°C
Power supply	230 VAC** (50 / 60 Hz) (3 VA)	24 VDC (5 W)	-
Output tension	0...10 (load R. >= 1000 ohms)	0...10 (load R. >= 1000 ohms)	V
Output current	0...20 / 4...20 (load R. <= 800 ohms)	0...20 / 4...20 (load R. <= 800 ohms)	mA
IP rating	IP20	IP20	-

*F.S. : Full Scale.

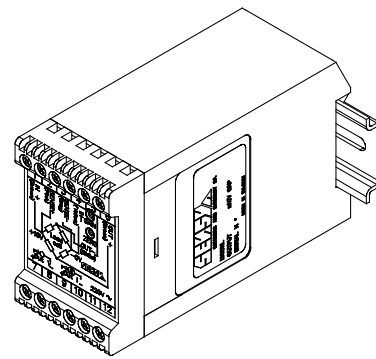
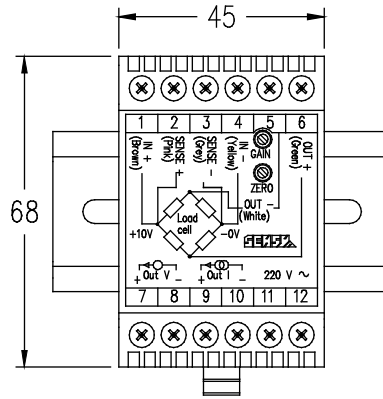
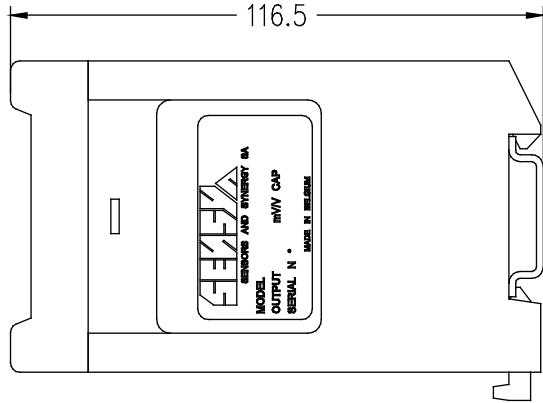
** : 110 VAC available on request.

Specifications subject to change without notice.



ISO 9001 certified

COND-A420 > STANDARD DIMENSIONS



Dimensions in mm

Terminals

