


● Characteristics

0620 - WEIGHING SYSTEM - SOLUTION - VESSEL - SILO - TANK - SCALE

	- Input strain gauge:	up to 4 full bridges (350 Ω)
	- Sensitivity strain gauge:	0,1...4 mV/V (by steps)
	- Output:	2...10 V and 4...20 mA, 0...10 V and 0...20 mA
	- Voltage supply:	115 VAC / 230 VAC / 24 VAC/DC 24 VDC galvanically insulated
	- Limit value:	without
	- Bridge supply:	4...14 V adjustable
	- Linearity:	± 0,02% of end scale value
	- Mounting:	covered screw channels
	- Measurement monitoring:	sensor break
	- Protection:	IP65

● Technical data

Input

Strain gauge:	full bridges:	up to 4, 350 Ω (sum signal) overall >80 Ω
	sensitivity:	0,1 / 0,25 / 0,75 / 1 / 1,5 / 2 / 2,5 / 3 / 4 mV/V
Precise adjustment:	continuously about:	±20%
Zero point:	offset:	±40% / ±80% (range selectable with jumper)
Filter:	active low-pass:	20 dB/Octave, 5 Hz

Output

Current and voltage:	2...±10 V and 4...±20 mA 0...±10 V and 0...±20 mA selectable with DIP switches
Working resistance:	>600 Ω
Loading resistance:	<500 Ω
Bridge supply:	4...14 VDC (continuously adjustable with potentiometer) Standard: 10 V bridge resistance: >80 Ω
Sensor break:	output signal upscale output signal downscale (Selectable with jumper)

● Applications

The strain gauge amplifier is usable in all ranges where, with the matching sensors, a measuring of forces is necessary. With the possibilities to adjust the amplifier is easily to fit for the application. The output signal can be processed with eg a SPS.



● Technical data (continued)

Power supply

Voltage: 24 V AC/DC / 115 VAC / 230 VAC / 24 VDC galvanically insulated
Power consumption: 1,5...4 VA (depend on model)

Accuracy

Linearity: <0,02% of end scale value
Temperature coefficient: <50 ppm / K

Ambient conditions

Operating temperature: -10...+60°C
Storing temperature: -20...+70°C

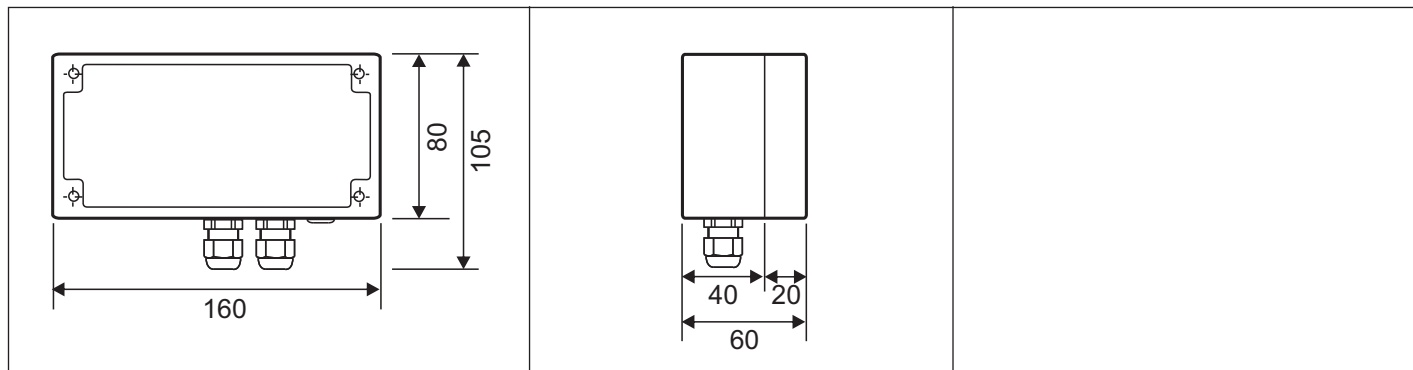
Mechanics

Enclosure: Material: diecast aluminium
Dimensions: 160 x 80 x 608 mm
Colour: Bottom part: light grey
Front: anthracite
Connection: Terminals: up to 2,5 mm²
Mounting: covered screw channels
Protection: 64
Weight: approx. 1000 g

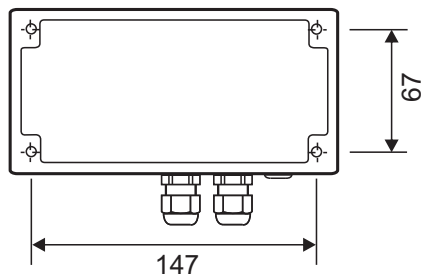
Adjustable parameter

Sensitivity Input: DIP switches (see input)
Type of output signal: DIP switches (see output)
Offset zero point: Jumper (40% / 80%)
Low-pass filter: Jumper (12 / 24 dB / oktave)
Limit frequency: DIP switches (1 / 10 / 100 Hz)
Limit values: adjustment with potentiometer (0...100%)
Behaviour on probe break: Jumper (upscale / downscale)
Sensor supply: potentiometer (4...14 V)

● Dimensions (in mm)



● Dimensions (in mm)



● Connection

