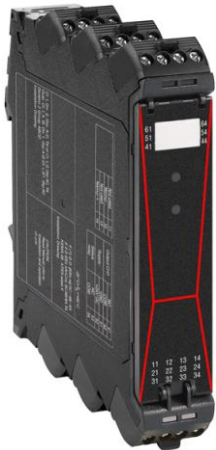


● Characteristics

0620 - LOAD MEASURING - FORCE - OVERLOAD

	- Input:	up to 2 strain gauge bridges, 0(4)...20 mA, 0...10 V
	- Input sensitivity:	0,1...5 mV/V (strain gauge)
	- Sensor supply:	5 VDC (strain gauge)
	- Analogue output:	4...20 mA / 0...10 V (standard version)
	- Voltage supply:	24 VDC ±20%
	- Resolution:	12 / 14 / 15 / 16 bit
	- Combined error:	0,2% of end scale value
	- Ingress protection:	IP 20
	- Taring:	with external drive
	- Interface:	RS232, Option: RS485, radio ISM-Band
- Enclosure:	plastics PA66 GF30 for top hat rail	

● Technical data

Input

Strain gauge:	Amplifier:	up to 2 strain gauge full bridges 350 Ω (summation of signal)
	Sensitivity:	0,1...5 mV/V (programmable)
Standard signal:	Current:	0(4)...20 mA
	Voltage:	0...10 V

Output

Analogue:	0...10 V and 4...20 mA (standard)
Current:	working resistance <500 Ω
Voltage:	load resistor 10 kΩ minimum

Interface

Interface 1:	RS232 (configuration and evaluation)
Interface 2 (option):	RS485 Modbus RTU for evaluation (in preparation)
	Transceiver radio module for evaluation (in preparation):
	Frequency: 868 MHz ISM Band
	Range: up to 300 m (MESH possible)
	Modulation: FSK
	Power: 3,5 mW
	Data rate: 19,2 kb/s
	Antenna: internally / externally

Accuracy

Resolution:	12 / 14 / 15 / 16 bit (programmable)
at measuring rate:	128 / 32 / 16 / 8 per second
Combined error:	± 0,2% of end scale value
Temperature coefficient.:	<50 ppm/K
Measuring rate:	10 ms...5 s (programmable)
Filter:	10 ms...5 s (programmable)

● Applications

The digital measuring amplifier is suitable for nearly all applications where strain gauge sensors are used. It can be matched easily to the local conditions with the interface. As output is available a standard signal, RS232, RS485 and radio (ISM-Band) for the following processing..



● *Technical data (continued)*

Power supply

Voltage:	24 VDC, $\pm 20\%$
Power consumption:	with options approx. 1,5 W
Sensor supply:	5 VDC, 35 mA maximum

Ambient conditions

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

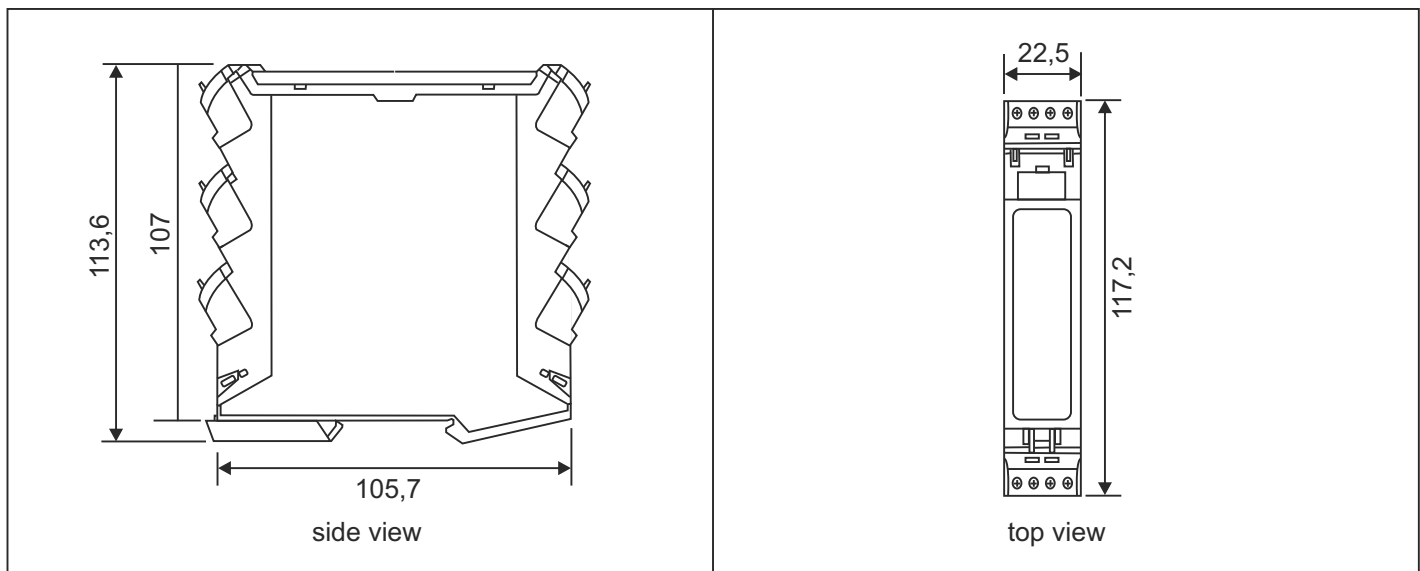
Tare

Function:	Active (drive with external 24 VDC) Option: Passive (drive with potential free relay point)
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Mechanics

Case DR 22,5:	
Dimensions:	117,2x22,5x113,6 mm
Material:	PA66 GF30
Color:	black
Flammability:	UL 94 V-0
Mounting:	DIN rail TS 35
Protection:	IP 20
Weight:	approx. 180 g
Electrical connection:	6 plug-in terminal strips 4-pole
Clamping range:	0,13...3,31 mm ²

● *Dimensions (in mm)*



● **Electrical connection**

