

## Mounting rail measuring amplifier

**Type GM 60**

- Mounted on mounting rail
- Freely configurable
- Industrial equitable screw-type terminal technique



The mounting rail measuring amplifier gain the output of the sensors to conforming standard output signals.

The housing shape allows mounting near to the sensors in control cabinets on standardized mounting rails.

All sensors on strain gauge-basis are connectable. The sensor is powered with stabilized DC voltage.

The adaptation of the sensitivity of sensor can be done on site by a DIL-switch.

Tara loads can be aligned.

The nominal signal can be simulated by the control key. Interference signals and settling processes of the measuring signal can be alleviated with the input filter.

The fine adjustment of amplification and zero point as well as the input filter is possible through frontside reachable potentiometer.

Additional options:

- Supply 24 V AC or DC
- Current output
- Min.- and. max.-limit value switch, values adjustable on frontside
- switch-on/switch-off delay

### SPECIFICATIONS:

<b>TYPE</b>	<b>GM 60</b>
<b>Art. No.</b>	100253

Evaluation side		
Supply:	Power supply voltage Power consumption	230V AC -15% +6% < 40 mA
Signal output:	Output signal Max. amplification Gain drift Adjustment range zero point Zero point drift Linearity error Calibration control	$\pm 10V, \leq 5mA$ 2000-fach < 0,015 % / 10 K $\pm 10\%$ < 0,15 % / 10 K 0,01% 100%

Sensor side		
Supply:	Power supply voltage for sensor Supply current for sensor TK supply voltage	4...10V DC 90mA 0,1 mV / K
Signal input.:	Excitation voltage Input resistance Input filter	0,4...30 mV $10^5 \Omega$ 10 Hz...1 kHz

Other		
Cut-off frequency		1 kHz (3dB)
Nominal temperature range		10...40 °C
Service temperature range		0...60 °C
Storage temperature range		-10...70 °C
Dimensions (W x H x D)		106x77x100mm
Mounting rail profile		DIN EN 50022
Level of protection		IP 21

Options		
	Art. No.	Function
V24AC	100257	Power supply voltage 24 V AC
V24DC	100261	Power supply voltage 24 V DC
I4	100254	Output signal 4...20 mA
I0	100255	Output signal 0...20 mA
I10	100884	Output signal 10 $\pm$ 10mA
I12	100256	Output signal 12 $\pm$ 8mA
GW	100258	Limit value contact
GWAN	100259	Limit value contact with switch-on delay
GWAB	100260	Limit value contact with switch-off delay