

RM4220

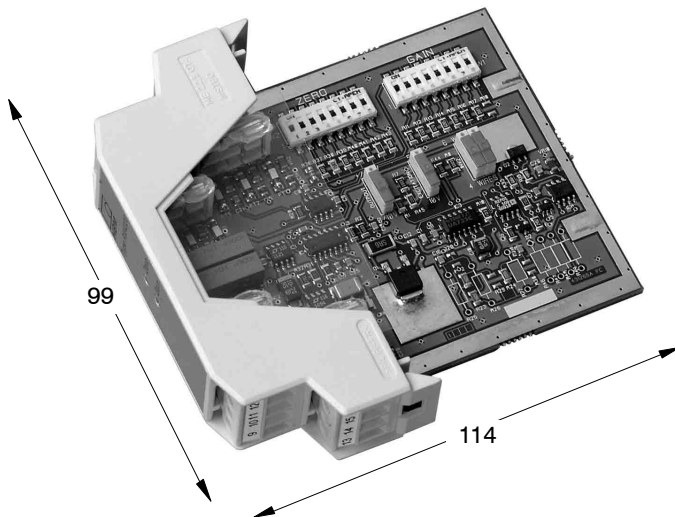
Amplifier for SG-Transducers



Special features

- Amplifier for up to four $350\ \Omega$ transducers
- To use for mounting on DIN rails
- Output $\pm 10\ \text{V}$, $0\text{...}10\ \text{V}$ and $4\text{...}20\ \text{mA}$
- Adjustment via DIP switches and potentiometers
- Service friendly via using plug in terminal

Dimensions (in mm; 1 mm = 0.03937 inches)



View from above



View of mounting side



Technical data

Type		RM4220
Accuracy class		0.1
Zero adjustment Maximum for impedance 87 Ω	mV/V	± 2.00
Amplifier gain Maximum Minimum		8500 80
Strain gage full bridge Bridge excitation voltage Strain gage impedance Strain gage sensitivity	V_{DC} Ω mV/V	5/10 ≥ 80 0.3...12
Input current Input impedance	nA Ω	5 typ. 10^{10}
Output current Maximum non-linearity Output impedance Load resistance	mA % FSO M Ω Ω	4/20 ± 0.015 typ. 40 max. 800
Output voltage Output short-circuit current Max. non-linearity	V mA % FSO	0/10 or ± 10 ± 22 G = 1000 (± 0.001)
Filter (3rd order) Maximum Minimum / standard	Hz Hz	5000 ± 10 3 $\pm 10\%$
Thermal drift Input offset voltage drift Thermal sensitivity drift	V output $\mu V/^{\circ}C$ ppm/ $^{\circ}C$	± 10 typ. $\pm 0.2 / \pm 5$ G 150
Max. current consumption Fixture Connection	mA	200 Mounting rail DIN EN 50022 Screw terminal
Power supply	V_{DC}	24 ± 8
Operating temperature range	$^{\circ}C$ [$^{\circ}F$]	0...+70 [32...158]
Storage temperature range	$^{\circ}C$ [$^{\circ}F$]	-40...+85 [-40...185]
Temperature stabilization time	min	15
Inflammability		VO (UL94)
Degree of protection		IP 20
Dimensions (LxWxH)	mm	115 x 100 x 23
Housing material Color		Polyamide PA grey
Weight, approx.	g	130

Modifications reserved.

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