

DIN Mounting Rail Min.-/Max. Value Memory Unit GM42-MAX



Performance Features

- Min.-max. memory device extension to GM40
- Voltage input 0 ... $\pm 10V$
- 10 ... 30VDC supply, galvanically separated
- Each one reset input via opto couplers
- For switch-cabinet assembly, width only 23 mm
- Fast rise time < 0.2 ms
- Very easy operation

Application

- Research and development
- Process measuring and control technology
- Automotive engineering
- Energy and environmental technology
- Mechanical engineering

Description

The GM42-MAX is a fast minimum and maximum memory device with a 0 ... $\pm 10V$ input universally applicable.

The narrow shape of the housing allows space-saving mounting in switch cabinets on standardized DIN mounting rails.

A galvanically separated supply voltage range of 10 ... 30V and the min. - max. values of 0 ... $\pm 10V$ allow the direct signal processing with a PLC control.

Reset input: (delete)

One each for min. and max. Both are galvanically separated by opto couplers. Two LED status displays are on the front.

Maximum Memory Device:

After a reset (control input) to -10V each most positive value is saved and transferred to the output.

Minimum Memory Device:

After a reset (control input) to +10V each most negative value is saved and transferred to the output.

The status indications are protected behind a transparent acrylic glass panel.

Technical Data

DIN Mounting Rail Min./Max. Value Memory Unit GM42-MAX

Article-No.	108517
Evaluation Side	
Rated range of supply voltage	10 ... 30VDC
Ripple of supply voltage	<10 %
Current consumption	10V, 100 mA / 24V, 60 mA
Input voltage actual value	0 ... ±10V
Output voltage min. and max.	0 ... ±10V
Dynamic min. and max.	0.2 ms -3 dB
Reset Inputs	
Control signal	low 0 ... 5V; high 10 ... 30V
Response time on	<2 ms
Response time off	<0.2 ms
Miscellaneous	
Rated temperature range	10 ... 40 °C
Operating temperature range	0 ... 60 °C
Storage temperature range	-10 ... 70 °C
Dimensions (W x H x L)	23 x 111 x 76 mm
Clamping range of feeder clips	0.14 ... 1.5 mm ²
DIN mounting rail	DIN EN 50022
Level of protection	IP20
Weight	0.1 kg

Options

Article-No.	Description	Type
115658	Mains adapter	GM41-NT