

Maximum Evaluator

AD-MA 310 GS

Description:

The maximum evaluator AD-MA 310 GS acquires up to three input streams 0/4-20mA, compares them and makes the highest of these three streams available 1:1 at the output. The highly linear and galvanically separated output signal is amplified thereby and can drive a load of up to 500 Ohm. The integrated power supply unit is galvanically separated from the input signal as well as also from the output signal.

Application:

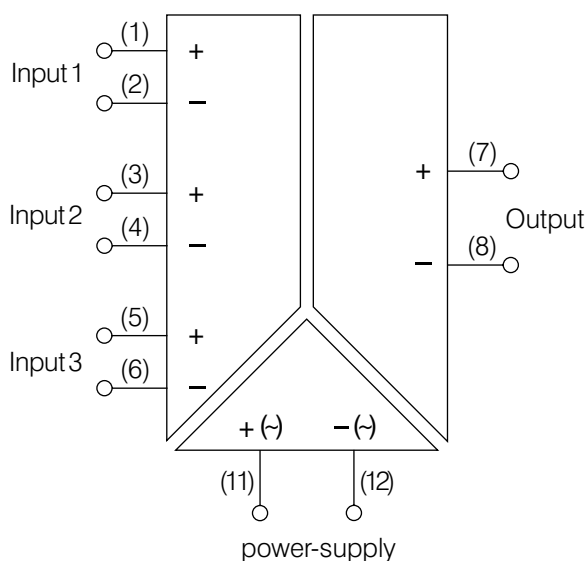
Acquisition of up to three input signals, comparison and output of the maximum value, e.g.: monitoring the winding of motors (only the highest load winding is noted), monitoring of pressure levels (only the highest pressure is relevant) etc.



Technical data:

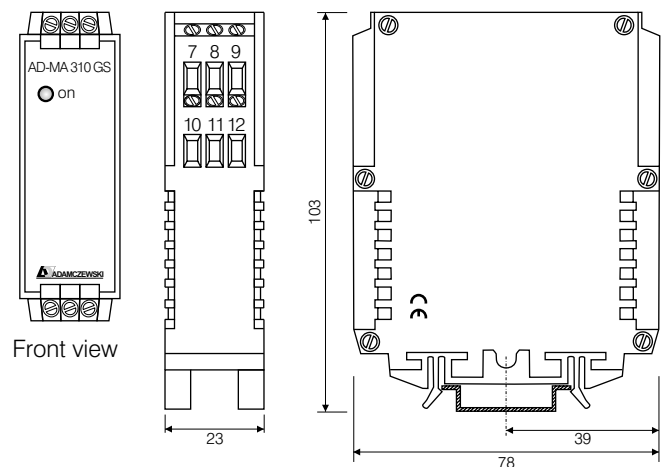
construction type:	1-.channel, switchboard housing
power supply:	ALLPOWER 20-253V AC/DC galvanically insulated
power consumption:	ca. 2,5VA resp. 2 W
input:	up to three current signals 0/4-20mA
ATTENTION:	the input-signal must be galvanically insulated among each other
input load	max. 2V per input-channel (ca. 100 Ohm with 20mA)
output:	impressed current 0-20mA; 4-20mA 1:1 to the max. input value galvanically insulated
output burden:	max 500 Ohm with 20mA output signal
burden influence:	< 0,02% / 100 Ohm
linearity error:	< 0,1 %
influence of temperature:	< 15ppm/K
reaction time:	ca. 0,2 ms (10-90%)
insulation test voltage:	input/output: 500V RMS signal/power supply AC: 4 kV RMS signal/power supply DC: 2 kV RMS
Ambient temperature:	0 to 50°C

Connections and dimensions: AD-MA 310 GS



weight 130 g
 protection: IP 20
 manner of fastening:
 attachment rail: NS35/7,5

connection data:
 fine-wire: 2,5 mm²
 single-wire: 4 mm²
 max. voltage: 250 V~



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