

EM-M24 MULTISCALE GALVANIC ISOLATOR ALSO FOR BIPOLAR SIGNALS



FEATURES:

- Three way isolated
- Multiple operating ranges
- Also for bipolar signals
- DIP-switch settable ranges
- Two frequency ranges
- Adjustable zero and gain
- Isolation voltage 1000 V
- Short-circuit protected
- Rail mountable

EM-M24 conditioning amplifier provides complete galvanic isolation between input, output and supply. Frequency ranges are DIP-switch settable. Input and output ranges can be selected individually. Input filtering can be selected from two alternatives. The effect of zero and gain adjustments is $\pm 15\%$ of the selected range. Zero and gain adjustments have no mutual effect. The output of the amplifier is short-circuit protected and the operating voltage input is protected against incorrect polarity.

TECHNICAL DATA:

Supply	20...32 Vdc	
Current requirement	60 mA max.	
Linearity error	< 0.1 %	
Thermal drift	< 60 ppm/°C	
Signal ranges	Rin	RL
-10...+10 V	1 Mohm	> 1 kohm
0...+10 V	500 kohm	> 1 kohm
-5...+5 V	500 kohm	> 1 kohm
-1...+1 V	100 kohm	> 1 kohm
0...+1 V	50 kohm	> 1 kohm
-20...+20 mA	50 ohm	< 500 ohm
0...+20 mA	50 ohm	< 500 ohm
4...+20 mA	50 ohm	< 500 ohm
Frequency ranges	10/500 Hz -3 dB	
Adjust ranges	gain $\pm 15\%$ zero $\pm 15\%$	
Isolation voltage	1000 V	
Oper. ambient temp.	0...50 °C	

