

EMGZ 306A Series Tension Measuring Amplifier

No programming required

Easy to setup

Standardised analog outputs

Multiconnectable with PLC, Display etc.

Galvanically isolated

Protected against electrical noise

DIN rail mount

Easy to mount in cabinet

Utilises SMT Hybrid Technology

Durability and Stability

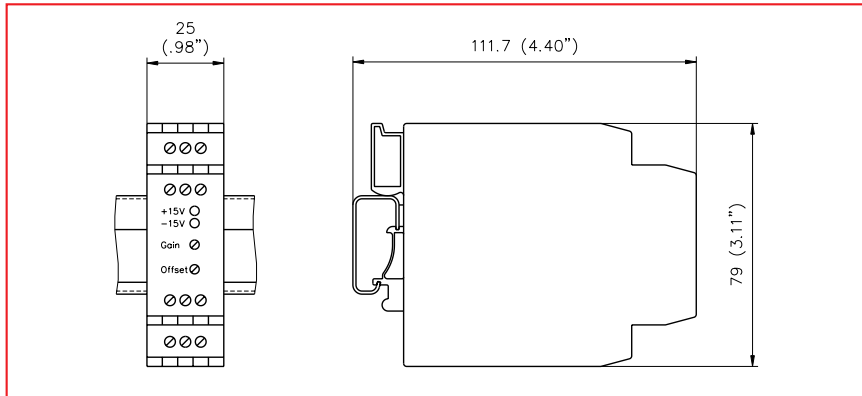


● **EMGZ 306A Series**

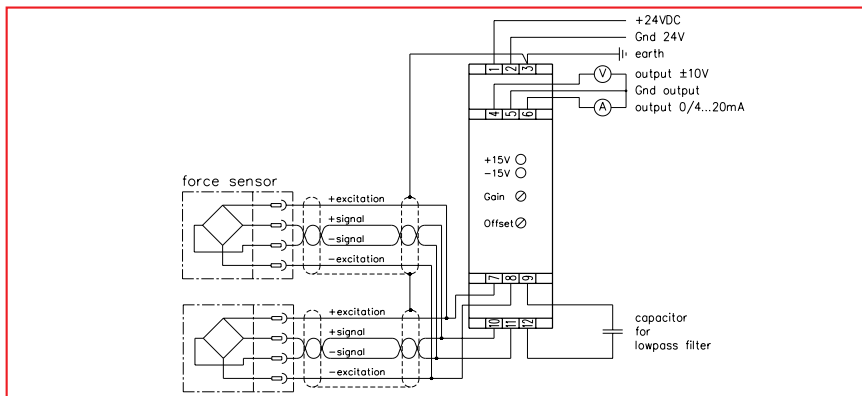
The EMGZ 306A Series is a single channel analog Tension Measuring Amplifier based on a hybrid circuit. There can be 2 force sensors connected. All settings are done with 10-turn trimmers which are easily accessible from the front. Additional jumpers allow the system to operate with fixed gain and offset (when operating with PLC or PC). For filtering of the output signals capacitors can be added.

As options 10 VDC sensor supply voltage (order code EMGZ306A/10V) and compound-filled versions with additional vibration protection (order code EMGZ306A.581820) are available. The compound-filled version is used for rotating applications such as stranding machines, etc.

EMGZ 306A Series • Dimensions in mm [inch]



EMGZ 306A Series • Wiring diagram



EMGZ 306A Series • Technical Data

Sensor supply voltage	5VDC \pm 11 ppm/°F [\pm 20ppm/K] max. 30 mA
Offset range	\pm 9 mV
Gain factor range	500...5000
Linearity error	< 0.1 %
Temperature drift offset	< 28 ppm/°F [50 ppm/K]
Tension output	\pm 10 V min. 1000 Ω
Current output	0/4...20 mA max. 500 Ω
Lowpass cut-off frequency	adjustable, ca. 1...1000 Hz
Power supply	24 VDC (18...36 VDC) max. 0.1 A, galvanically isolated
Power consumption	max. 2.5 W
Temperature range	14...140°F [-10...+60 °C]
Protection class	IP 20

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