EMGZ 306A Series Tension Measuring Amplifier

- **No programming required**
- **Easy to setup**
- **Standardised analogue outputs**
  - Multiconnectable with PLC, Display etc.
- **Galvanically isolated**
- **Protected against electrical noise**
- **DIN rail mount**
- **Easy to mount in cabinet**
- **Gain and offset setting by 20-turn trimmers**
- **Precise adjustment guaranteed**

**EMGZ 306A Series**

The EMGZ 306A Series is a single channel analogue tension measuring amplifier. There can be two force sensors connected. All settings are done with 20-turn trimmers which are easily accessible from the front. The amplifier outputs are standardized ± 10 V tension output and 0...20 mA or 4...20 mA current output (switchable by jumpers).

For filtering of the output signals capacitors can be added. As options 10 VDC sensor supply voltage and compound-filled versions with additional vibration protection are available. The compound-filled version is used for rotating applications such as stranding machines, etc.

**EMGZ 306A.CAL**

This version provides a pushbutton to simulate 50% of the nominal sensor load. This allows to do the calibration of the amplifier by calculation instead of physical simulation of the tension.

www.fms-technology.com
EMGZ 306A Series • Dimensions in mm

EMGZ 306A Series • Wiring diagram

EMGZ 306A Series • Technical data

Options:
- CAL version
- 10 VDC excitation voltage for force sensors (instead of 5 VDC)
- compound filled version

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