

Converter of signals and conditioner of analog sensors fo strain gauges, DIN rail format

APPLICATIONS

- Conditioning of any kind of analog signal coming from a sensor to fit with data acquisition systems or Programmable Logic Controller (PLC)
- Electrical and physical measurement: strength, torque, pressure, displacement, acceleration, strain gauges..., on test bench or control of industrial process.



DESCRIPTION

The single channel measurement model ME520 provides very complete analog outputs for measurement, conditioning and conversion of signals such as strength, torque, pressure, displacement, acceleration sensors or strain gauges.

Three parameters can be adjusted with an easy procedure that allows output trimming depending on the sensor:

- A potentiometer to trim gain
- A potentiometer to trim zero
- A push button to trim calibration

A wide range of options is available: isolated power supply and many other sensors adapted to ME520 or ME52C.

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TECHNICAL FEATURES

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| Isolated general supply | 24 VDC (run from 18 to 36 VDC) |
| Operating temperature range | -10 to +60°C |
| Storage temperature range | -40°C to +70°C |
| Dimensions of raim DIN unit | H: 99 – L:17.5 – P: 112 mm |
| Connectors | 4 x 3 limots |
| Approx. Weight (without option) | About 110 grams |
| Input | 1 sensor or 4x 350ohm sensors set up in bridge, trimmed together an supplied with 5Vdc |
| Analog output | Jumper switch configuration: 0-10V ; ±10 , 0-20mA ;4-2mA or ±20mA |
| Precision | 0,05% |
| Bandwidth | Jumper switch configuration: 2KHz ou 20KHz at 3dB |
| Calibration trim | 0,1 to 10mV/V |
| Full bridge | 120 to 10 K ohm |
| Excitation bridge | 5 or 10V |
| Zero adjustment | Yes |
| Gain adjustment | Yes |
| Sensitivity | 0,1 to 30mV/V |

OPTIONS

ME26-FLT Filtered output

Butterworth 6th fixed order (BP on request)

ME26ISO 3 channels galvanic isolation

Input/Output: 400V –Input / Power Supply: 1000V

VARIATIONS

- ME520 - AJ MODULE
- ME520 - AJ_ISO MODULE
- ME520 - RMS_ISO MODULE
- ME520 - U_ISO MODULE
- ME520 - ST350 ou ST120 MODULE
- ME520 - LVDT698 MODULE
- ME520 - LVDT598 MODULE
- ME520 - RMS MODULE
- ME520 - FU_DSR MODULE
- ME520 – CO MODULE
- ME520 - U MODULE

For other enquiries, please contact us.