

## Measuring and display unit MEC-9163

For electronic force sensors, pressure sensors, torque sensors (DMS), distance meters, goniometers and temperature sensors

**METRON**<sup>®</sup>

### Application:

Stationary measuring and display unit for logging, displaying and evaluating measured values in combination with electronic force sensors, pressure sensors, torque sensors with strain gauges, distance meters and goniometers with potentiometric or DC/DC sensors, PT-100 temperature sensors and/or thermocouples. In-process inspection of material properties in laboratories. Potential applications for this measuring and display unit include determination of geometric variables, e.g. using differential measurements.

### Version:

- 1x main input channel for torque sensors\*
- 2x auxiliary input channels for, e.g. angle sensors, distance sensors and temperature sensors
- 7-digit multi-colour display with 13 mm digit size
- Membrane keypad with six function keys
- Manual linearisation of connected sensors
- Up to four configurable relay or logic outputs
- Installation housing dimensions (WxDxH) 96 x 150 x 48 mm

### Advantage:

- Adjustable samplings rates of up to 500 measurements per second for fast limit value relay reactions
- Measuring accuracy of 0.1% for high accuracy requirements
- OK/NOK Feedback via multi-colour display
- Memory functions for min./max. and peak-to-peak values
- Connected sensors are supplied by the integrated supply voltage source



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