



"Your monitoring specialist"
certified ISO 9001 + ISO 14001

Crimping Line

Piezo Force Sensor RH203 M42

Piezoelectric sensor for measuring deformation forces, e.g. during the crimping process. The sensor generates a voltage, which is transmitted via an electrode to the integrated charge amplifier. In combination with a crimp force monitor, the sensor is ideally suited for quality monitoring during the crimping process. The sensor can either be embedded in the ram or in the base plate of a crimping press.

Performance features

- Rugged and solid construction
- Exceptional stability and repeatability
- Built-in type amplifier to operate by a constant-current signal
- Wide linear dynamic measurement range
- High overload stability
- BNC connection
- Measurement range up to 89 kN
- With screwed cable



Technical data

Measurement range	up to 89 kN
Sensitivity	56.2 mV/N +/- 10%
Preload	c. 9 kN
Temperature range	-54 °C to +121 °C
Max. static force	66 kN
Excitation voltage	20 – 30 VDC
Constant current excitation	2 - 20 mA
Output impedance	< 100 Ohm
Output Bias Voltage	8 - 14 VDC

