

Crimping Line

## Piezo Force Sensor RH202 M45

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.

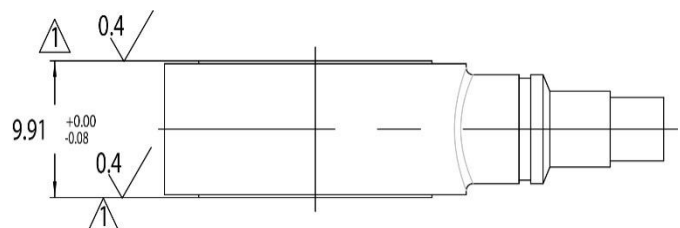
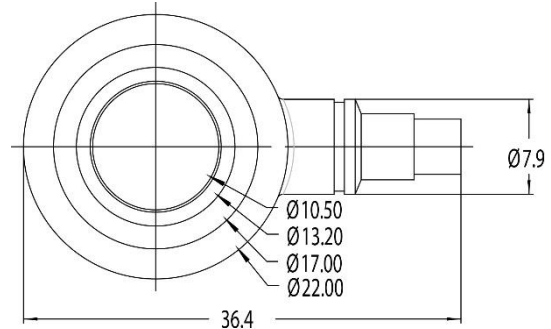
### Performance features

- ⊗ 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 44 kN
- ⊗ With screwed cable



### Technical data

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|-------------------------------|--------------------|
| ⊗ Measurement range           | up to 44 kN        |
| ⊗ Sensitivity                 | 112.4 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         |



All dimensions in mm