

Crimping Line

Piezo Force Sensor FTW05

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.

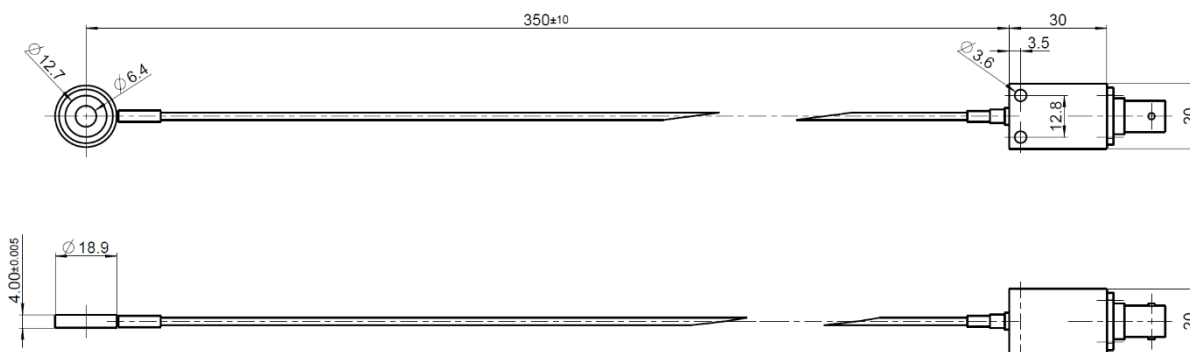
Performance features

- 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 5 kN
- With fixed cable



Technical data

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|---------------------|-------------------|
| • Measurement range | up to 5 kN |
| • Sensitivity | 1.00 mV/N +/- 10% |
| • Temperature range | -20°C to +80°C |
| • Output impedance | < 100 Ohm |
| • Output DC Voltage | 11 V ± 2 V |



All dimensions in mm