

Crimping Line

Piezo Force Sensor RH204 M49

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.

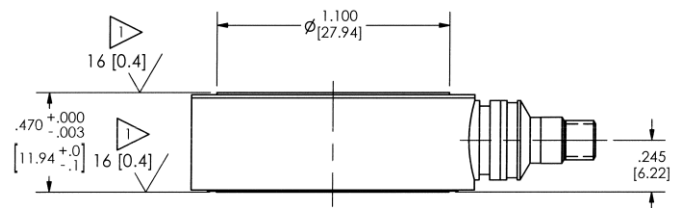
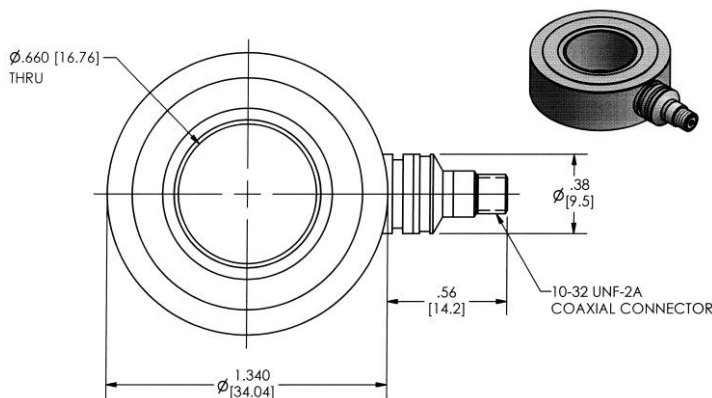
Performance features

- ⊗ 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 178 kN
- ⊗ With screwed cable



Technical data

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|-----------------------|-------------------|
| ⊗ Measurement range | up to 178 kN |
| ⊗ Sensitivity | 27.0 mV/N +/- 10% |
| ⊗ Temperature range | -54 °C to +121 °C |
| ⊗ Excitation voltage | 20 - 30 VDC |
| ⊗ Output impedance | < 100 Ohm |
| ⊗ Output Bias voltage | 8 – 14 VDC |



All dimensions in inch [mm]