



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

-54 °C to +121 °C Temperature range

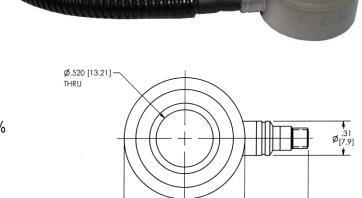
Max. static force 66 kN

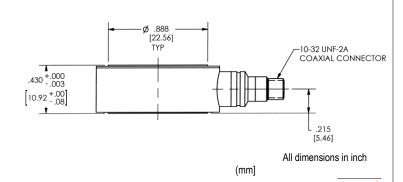
Excitation voltage 20 - 30 VDC

Constant current excitation 2 - 20 mA

Output impedance < 100 Ohm

Output Bias Voltage 8 - 14 VDC







C-tec Cable technologies GmbH & Co.KG

Ilztalstrasse 11 Tel.: +49 (0) 8554 - 94 23 9-0 D-94513 Schönberg

eMail: info@cable-tec.net Fax: +49 (0) 8554 - 94 23 9-20 HP: www.cable-tec.net

10/2020