

Compression force recorder D2

pre-assembled incl. TEDS module

ATORN[®]

Application

Electric force sensors in the D2 model series are suitable for static and dynamic compressive force measurements in harsh environments. The ball-shaped pressure piece ensures correct force input and thus achieves excellent measurement results.

Version

- Robust design made of stainless steel, hermetically welded
- Incl. TEDS module (electronically stored data sheet)
- Pre-assembled with 3-m cables and connector configuration according to ATORN display unit ZD3
- High degree of accuracy
- Incl. factory calibration certificate

Advantage

- Force sensor is automatically detected by the ATORN display unit ZD3
- All relevant data is loaded from the TEDS module into the ATORN display unit ZD3, thus no additional settings are required on the display unit
- If replacement is required, the measuring instrument does not need to be sent in

Delivery

Force sensor with 3-m connection cable and measuring instrument plug, factory calibration certificate



Art. no.	44181 570
Model	D2
Design	TEDS module integrated
Min./max. force of measuring range	0-2 kN
Outer diameter	82 mm
Total height	44 mm
Height of force transducers until piston	30 mm
Piston diameter	21.5 mm
Protruding piston height	14 mm
Fastening thread	M8
Sensitivity of force sensor	2 mV/V
Max. supply voltage	15 V
Min./max. nominal range of the supply voltage	5-10 V
Rated output	2 mV
Zero signal when mounted	0.02 mV
Relative characteristic value deviation	≤± 0.1 %
Relative linearity deviation	≤± 0.05 %
Relative span in unchanged installation position	≤± 0.08 %
Composed error	≤± 0.08 %
Material	Steel, stainless
IP protection class	IP 68
Cable length	3 m

EAN-Code

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