

## ATORN compression force recorder D1

pre-assembled incl. TEDS module

**ATORN®**

### Application

Electric force sensors in the D1 model series are space-saving and their low height also makes them suitable for small installation spaces.

### Version

- Robust design
- Incl. TEDS module (electronically stored data sheet)
- Pre-assembled with 3-m cables and connector configuration according to ATORN display unit ZD3
- 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



|   |                        |
|---|------------------------|
| <b>Art. no.</b>   | <b>44181 555</b>       |
| <b>Model</b>  | D1                     |
| <b>Design</b>   | TEDS module integrated |
| <b>Min./max. force of measuring range</b>               | 0-2 kN                 |
| <b>Outer diameter</b>                                   | 50 mm                  |
| <b>Height of force transducers until piston</b>         | 23 mm                  |
| <b>Piston diameter</b>                                  | 13 mm                  |
| <b>Protruding piston height</b>                         | 7 mm                   |
| <b>Fastening thread</b>                                 | M5                     |
| <b>Sensitivity of force sensor</b>                      | 2 mV/V                 |
| <b>Max. supply voltage</b>                              | 15 V                   |
| <b>Min./max. nominal range of the supply voltage</b>    | 5-10 V                 |
| <b>Rated output</b>                                     | 2 mV                   |
| <b>Zero signal when mounted</b>                         | 0.02 mV                |
| <b>Relative characteristic value deviation</b>          | $\leq \pm 0.1 \%$      |
| <b>Relative linearity deviation</b>                     | $\leq \pm 0.06 \%$     |
| <b>Relative span in unchanged installation position</b> | $\leq \pm 0.02 \%$     |
| <b>Composed error</b>                                   | $\leq \pm 0.1 \%$      |
| <b>Material</b>   | Steel, stainless       |
| <b>IP protection class</b>                              | IP 67                  |
| <b>Cable length</b>                                     | 3 m                    |

### EAN-Code

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