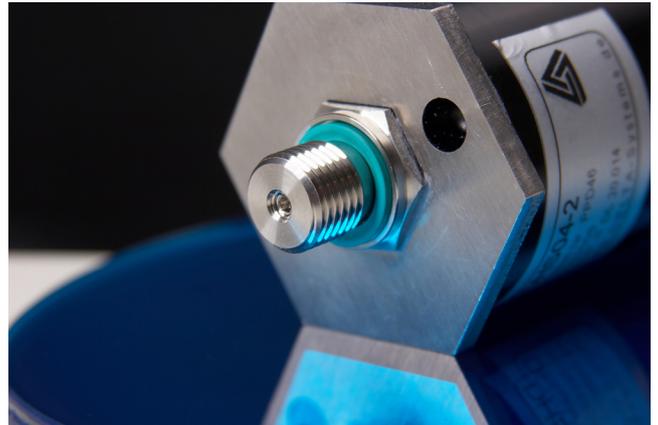
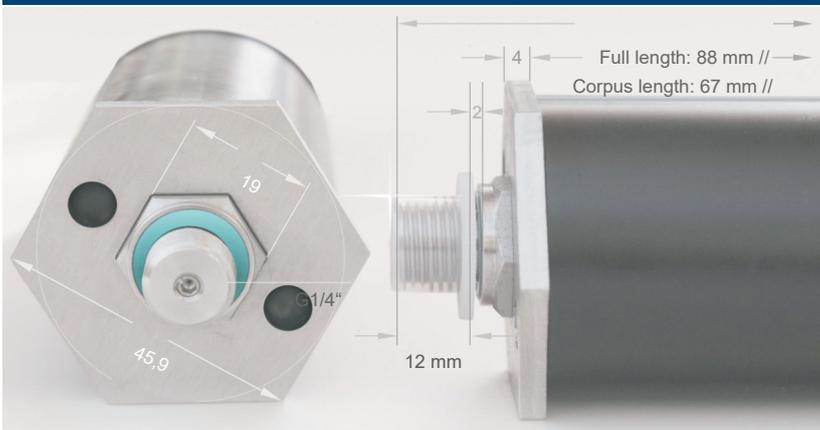


### Highlights

- ▶ Measuring range from 2 to 1000 bar configurable
- ▶ Battery life of up to 15 years from a standard lithium battery
- ▶ Integrated industrial Pollux radio interface with high range and immunity to interference
- ▶ IP67, oil, acid and alkali resistant
- ▶ Shock and vibration resistant for harsh operating environments, such as machining centres or mining operations



### General information



The Pollux pressure sensors are a standard product that DELTA Systems has continued to optimise over the years, resulting in improved operation for customers in various sectors. As a member of the Pollux family, the pressure sensor is compatible with the Pollux system and can be easily configured and integrated.

### Technical data

#### Mechanical

|                       |  |
|-----------------------|--|
| Protection class      | IP67, oil resistant, acid resistant, shock resistant |
| Weight                | approx. 270g with battery (CR-P2)                    |
| Dimension (D/H)       | approx. 54 / 90 [mm] (see technical drawing)         |
| Operating temperature | -15°C to + 80°C                                      |

#### Measurement system

|                         |  |
|-------------------------|--|
| Range                   | 2 - 1000 bar   |
| Accuracy                | Standard: 0,5% with temperature compensation<br>Optional: 0,25% / 0,1% with temperature compensation |
| Resolution              | 12 bit, max. 10 kHz sampling rate  |
| Temperature measurement | Integrated intrinsic temperature measurement: Accuracy +/- 1°C, higher on request                    |

#### Pollux radio system

|                 |   |
|-----------------|---|
| Radio frequency | 115/433/868/915 MHz depending on country of use, ISM bands: unlicensed<br><br>Up to 1 Mbit/s data transmission rate (per node)<br>Dynamic adaptation to radio environment<br>Bidirectional, multi-channel, configuration-free and self-organizing radio network |
| Log memory      | Network packets are CRC32 protected and data is encrypted using AES procedures, automatic avoidance of interference sources and other radio systems<br><br>Integrated memory: expandable up to 2 GB, with real-time clock. Freely adjustable time clock         |
| Power supply    | Lithium battery CR-P2   |
| Operating time  | 10 years battery life, at one measurement per second  |

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