

DATA SHEET

Pressure

Feldfühler Dirk



Overview:

Dirk is a LoRaWAN pressure sensor for professional agriculture. You can use it to precisely measure the water or air pressure inside pipelines and to send the information via the wireless LoRaWAN protocol to the Feldfühler app.

For pressure measurement Dirk uses a Hersmann pressure sensor that can measure up to 16 Bar of pressure. The Hersmann pressure sensor can be screwed onto any standard $\frac{3}{4}$ inch thread and is housed in a waterproof 304 stainless steel enclosure for long-term use. Dirk measures with a very high accuracy of 0.2% F.S. for the high demands of professional agriculture. $\pm$

Dirk is powered by an 8500-mAh Li-SOCl₂ battery, which is ideally suited to the harsh conditions in agriculture and is designed for long-term use of up to 5 years. (Battery life depends on the usage environment and the update interval).

Sensor specification:

- Range: -40°C - 80°C
- Accuracy: 0.2% F.S. $\pm$
- Resolution: 0.1 Bar
- Measuring range: 0 - 16 Bar
- Connection: $\frac{3}{4}$ inch thread

Features:

- Extremely low power consumption
- Replaceable battery
- 2 metre cable
- Pressure alarm
- 20 minute interval
- Waterproof enclosure rated IP66