

DATA SHEET

Water level sensor

Feldfühler Dieter



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Sensors for professional agriculture!

Overview:

Dieter is a LoRaWAN level sensor for professional agriculture. You can use it to precisely measure the water level of water reservoirs or basins and to send the information via the wireless LoRaWAN protocol to the Feldfühler app.

To do this, Dieter measures the pressure of the water column and from this calculates the level with 0,1 m accuracy. The sensor is built into a waterproof 316 stainless steel housing for long-term use and is lowered into the basin or reservoir at the deepest point. Dieter measures with a very high accuracy of 0,2% F.S. for the high demands of professional agriculture.±

Dieter is powered by an 8500-mAh-Li-SOCI2 battery, which is ideally suited for the harsh conditions in agriculture and is designed for long-term use of up to 5 years. (The battery life depends on the usage environment and the update interval).

Sensor specification:

- Range: -40°C - 80°C
- Accuracy: 0,2% F.S. ±
- Resolution: 0,1 m
- Measuring range: 0 – 100 m
- IP standard sensor: IP68

Features:

- Extremely low power consumption
- Replaceable battery
- Up to 100 meters of cable
- Pressure alarm
- 20 minute interval
- Waterproof housing to IP66



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Professional sensors for agriculture!

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