

Datasheet

Sensor Module PRO

Radio module for one sensor probe · LoRa 868 MHz · battery-powered
PRO line · connects sensors to my.irrigation.cloud via the Gateway PRO



LoRa 868 MHz

C cell battery

1 sensor probe

Magnet operation

Interchangeable probes



Measured values from the field – without cables

The Sensor Module PRO is the radio unit between the **sensor probe** and the **Gateway PRO**. A radio sensor always consists of Sensor Module, battery and probe. The probes are interchangeable – from soil moisture sensor to tank level sensor for the cistern.

By default the module measures once per hour and sends the value via LoRa to the gateway. In **my.irrigation.cloud** the values control programmes, e.g. irrigation only when the soil is dry.

Your benefits

- Wireless: place the probe exactly where measurements are needed
- Long service life with lithium industrial cell (C cell)
- Magnet operation: pass briefly = immediate measurement, hold 3 s = configuration
- Probes for soil moisture, soil parameters, tank level and pressure
- Recommended practice: mounting in the lid of valve box I-Z-VS21-SMPRO

Technical data

Item number	I-C-US-EN-PS-PRO · EAN 4251884912064
Radio	LoRa, 868 MHz band Gateway PRO
Protection class	IP68
Conformity	CE (RED, RoHS)
Battery	Lithium industrial cell LiSOCl ₂ , C cell, 3.6 V, 5.8 Ah (SAFT LSH 14) – P-E-B-C-3.6V-5.8AH-1-PRO, sold separately
Measuring interval	Default 1 measurement per hour, adjustable in the cloud
Battery life	depends on measuring interval and probe
Sensor connector	M8 connector, 8-pin – probes are factory-fitted with a matching M8 plug
Sensor probes	Soil moisture/temperature, 4-in-1 soil sensor, tank level 1 m / 3 m, pressure sensor
Operation	Magnet zone bottom right: brief = immediate measurement and transmission · 3 s = configuration mode (Bluetooth, 180 s)
Mounting	Wall or stake at 1.5–2.5 m height or in the lid of the valve box; probe on cable in soil, tank or pipe



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irrigation.cloud · radio module for one sensor probe, LoRa 868 MHz

System layout



In the cloud, Sensor Module, Gateway and VBox are freely combined into one system. A soil moisture sensor, for example, controls the matching zone of the VBox AC PRO.

Compatible sensor probes

REFERENCE (M8, PLUG-AND-PLAY)	SENSOR PROBE	EAN	DATASHEET
I-Z-HST-RS485-H-1-M8	Soil moisture and temperature sensor	4251884912552	I-Z-HST-RS485-H-1
I-Z-NPKS-RS485-V01-M8	4-in-1 soil sensor (moisture, temperature, EC, pH)	4251884912569	I-Z-NPKS-RS485-V01
I-Z-LS-C1-R1-M8	Tank level sensor 1 m, hydrostatic	4251884912576	I-Z-LS-C1-R1
I-Z-LS-C3-R3-M8	Tank level sensor 3 m, hydrostatic	4251884912583	I-Z-LS-C3-R3
I-Z-PS-DN15-150PSI-E-1-M8	Pressure sensor G½", 0–10 bar	4251884912590	I-Z-PS-DN15-150PSI-E-1

Order references

REFERENCE	DESCRIPTION	EAN	TYPE
I-C-US-EN-PS-PRO	Sensor Module PRO	4251884912064	Product
P-E-B-C-3.6V-5.8AH-1-PRO	Battery C cell, LiSOC12, 3.6 V, 5.8 Ah	4251884912118	required
...-M8	one sensor probe in M8 version from the table above	–	required
I-C-GW-EN-PS-PRO	Gateway PRO	4251884912040	required
I-Z-VS21-SMPRO	Valve box Ø 21 cm with holder for the Sensor Module	4251884912019	Option

Important for planning

- **Probe connection:** for the Sensor Module PRO order probes in the **M8 version** (item number ending "-M8") – factory-fitted and plug-and-play. Extension cables are in preparation.
- **Flow sensors** are not operated on the Sensor Module but directly on the option connector of the VBox AC PRO.
- **Battery:** use C cell (LSH 14) only – the D cell of the Sensor Module Classic does not fit.
- **Ecosystem:** Gateway PRO only; Classic gateways are not supported. **Scope of delivery:** Sensor Module PRO; battery and probe sold separately.