

Technical specifications

IS Field Unit



IS Field Unit (#1-300)

General

The robust IS Field Unit is exceptionally convenient for handling of BAT IS-sensor data in the field. This self-contained unit is equipped with a display and keyboard.

The IS Field Unit enables you to program a BAT IS Sensor. You can also download, view, delete data from one or more IS-sensors and check the battery and free data memory of an IS Sensor. The IS Field Unit also allows real-time pressure readings in engineering units.

The IS Field Unit is also equipped with an internal pressure sensor for automatic, barometric compensation.

At the office you can download the IS-data to your PC. Using the IS-process software for Windows you can then further process the data.

Specifications

Operating temperature:	-20°C to +40°C
Measurement channels:	Pressure Atmospheric pressure Temperature Internal batteries Battery of an IS Battery Unit
Flash memory:	32 full IS-Sensors (512 kB)
Run time in download mode:	10 hours (downloading only)
Downloading speed:	38 400 bps
External IS power:	90 mA, short circuit protected ≈2 IS-Sensors
Battery:	2xAA-size 1.5 V Alkaline batteries 2x spare batteries inside unit.
Connecting cable:	1 D9-cable, standard length 2 m.
PC software program	Windows '95 (or higher)
Protection:	IP 68
Material:	ABS
Weight Field Unit:	444 grams
Dimensions Field Unit:	195x108x44 mm

Internal pressure sensor

Pressure range:	0.8 to 1.2 bar (absolute)
Linearity error:	Typical 0.15%
Memory:	≈ 3500 measurements
Run time in logger mode only	1 year (interval time:3 hours).

Accessories

IS-data logger software
IS-processing software



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