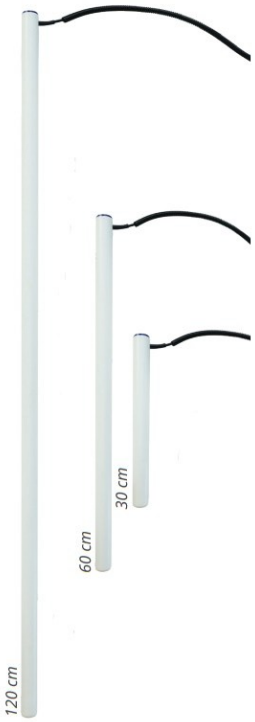
Multi-level soil moisture sensor

HR MULTI

Item : depending on model



Main features

- From 3 to 6 measurement levels (depending on model)
- Robust
- High accuracy ±0,03%
- Easy to install

HR Multi is a multilevel soil moisture sensor. Low power consumption, reliable, easy to installusing an electric or thermal auger, and maintenance free, it has all the necessary assets to meet the expectations of meteorological services.

The sensing elements of the **HR Multi** probe allows temperature measurements at 3, 5, or 6 differents depths (from –5 to –100 cm)

Automatic

Using the SDI-12 protocol, the P4-100 central unit regularly queries **HR Multi** to collect data and send it to the data receiving server. The user can remotely access the data by connecting to the PulsoWeb data portal, for example.

Easy to install

HR Multi is easy to install. Using an electric, thermal, or manual auger, it is straightforward to place the probe without damaging the soil horizons to be monitored. Its small diameter minimizes soil disturbance during installation.

Robust

HR Multi is very robust. The sensors and electronics are encapsulated in the plastic of the probe with a resin, to prevent water intrusion and to strengthen the probe.

Its cable can be protected in a metal sheath to connect it directly to the station's PULSIA structure.

Accurate

HR Multi allows for precise measurement of soil moisture with an accuracy of 0.03%. It will bring you great satisfaction for many years!

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Specifications

General

Resolution	1:10000
Accuracy	0,03%
Protocol	SDI-12
Item : 002576	
Dimensions	Length. 120 cm, øtop : 30 mm, øbottom : 25mm
Number of sensors	6
Sensor depths	-10, -20, -30, -40, -50, -100 cm
Item : 002924	
Dimensions	Length. 60 cm, øtop : 30 mm, øbottom : 27,5 mm
Number of sensors	5
Sensor depths	-10, -20, -30, -40, -50 cm
Item : 003101	
Dimensions	Length 30 cm, øtop : 30 mm, øbottom : 28,75 mm
Number of sensors	3
Sensor depths	-10, -20, -30 cm

Environment

Connector	M12
IP class of connectors	IP67
Material	Reinforced plastic resin
Operating temperature	-20 to 60°C

Generated data* (WMO compliant)

Soil moisture

*Data generated by the P4-100 datalogger

Did you know that?

The HR Multi probe is based on the FDR (reflectometry) method. This measuring principle allows accurate results to be obtained by sending an electromagnetic wave into the soil. The frequency variation provides information about the water content of the soil. This technology stands out from others in soils with high salinity.

Accessoiries

1. Metal sheath to protect the cable
2. Earth stake
3. Square plug to enter the cable into the PULSIA structure

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