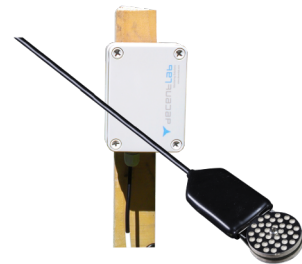




LoRaWAN Sensor Device MPS-6

Soil water potential and temperature



Sensors

Decagon MPS-6

With 5m cable

Soil water potential

Accuracy: $\pm(10\% + 2\text{kPa})$ from -9 kPa to -100 kPa

Resolution: 0.1 kPa

Range: -9 to -100'000 kPa

Soil temperature

Accuracy: $\pm 1^\circ\text{C}$

Resolution: 0.1 $^\circ\text{C}$

Range: -40 $^\circ$ to 60 $^\circ\text{C}$

LoRaWAN specifics

Device class A

Over the air activation (OTAA)

Adaptive data rate (ADR)

Frequency band:

EU868 MHz (EU Version), US915MHz (US Version),
AS923 (Asia Version) or AU920 (Australia Version)

Input Sensitivity: -148 dBm (EU Version)

Supply

Internal battery 2 x C-type

Integrated sensor supply

Operating conditions

-30 $^\circ\text{C}$ to 60 $^\circ\text{C}$

100% RH

Weight

250g w/o batteries

Dimensions

80 x 135 x 70 mm

Enclosure

Weatherproof IP67, impact and UV- resistant
polycarbonate enclosure

