



VH400

Soil moisture sensor

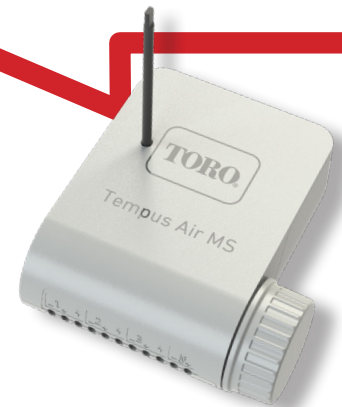


Compatible with Tempus® Air MS Single/Multi Sensors Modules (S1 and S4)

VH400 sensor allows an accurate monitoring of soil moisture. It can be installed into the soil, close to the root zone, or directly into pots. Its small dimensions do not disturb plant's root system while providing precise moisture readings.

FEATURES

- Volumetric water (VWC) or Gravimetric Water (GWC) Content measurement
- Output voltage proportional to humidity level
- Low consumption (< 13 mA)
- Insensitive to salinity
- Quick response time
- Rugged design for long term use
- Probe resistant to corrosion
- Small dimensions
- Waterproof
- EN 50581:2012



SPECIFICATION

Accuracy	Soil Volumetric Water Content (VWC) 2% @ 25°C
Reading range	0% - 100%
Resolution	from 0 to 50 % VWC (from 0 to 2,2V)
Power supply	3,5V - 20 V DC, Consumption < 13 mA
Output signal	0 to 3V related to moisture content
Power on to Output stable	400 ms
Cable length	2 m (extensible up to 10 m)
Dimensions of detection area	9,3 cm x 0,7 cm
Operating temperature	-40°C to 85°C
Wiring & Connection to Tempus Air MS	Red: + VBAT (Power supply) to be connected with Tempus Air MS red wire Black: Output from 0 to 3V to be connected with Tempus Air MS yellow wire (+) Grey or nude cable: GND (Ground) to be connected with Tempus Air MS black wire (-)

INSTALLATION

Place the sensor at root level.
For accurate readings place it horizontally

Codification

Code	Description
IT-VH400	Soil moisture sensor (VH400)