

SWCSM-075

Soil moisture sensor



SWCSM-075 is a soil water content sensor equipped with a digital temperature sensor. It is supplied with 24 VDC Power over Modbus. The measured values and all other parameters are accessible via Modbus RTU.

Key features

- 24 VDC supply voltage, Power over Modbus (PoM)
- Fast response to changes in water content for optimal irrigation
- Wide temperature measurement range
- 7,5 m long cable (can be extended)
- Easy installation
- Factory calibrated
- Measurements accessible via Modbus RTU

Technical specifications

Supply voltage	24 VDC Power over Modbus (PoM)	
Imax	10 mA	
Sensing area	103,35 x 18,75 mm	
Protection standard	IP67	
Ambient conditions	Temperature	-30—70 °C
	Relative humidity	0—100 % rH

Area of use

- Environmental and irrigation monitoring and control
- Measuring the moisture content of a medium
- Smart farming

Standards

- EMC directive 2014/30/EU:
 - EN 55022:2010: Information technology equipment – Radio disturbance characteristics - Limits and methods of measurement Amendment AC:2011 to EN55022
 - EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use – EMC requirements - Part 1: General requirements
- WEEE 2012/19/EC
- RoHS Directive 2011/65/EC:
 - EN IEC 63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances



Packaging



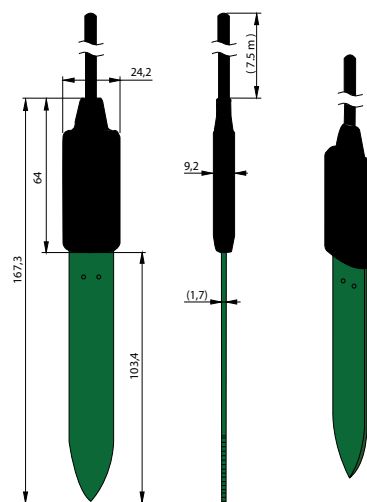
Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
SWCSM-075	Unit (1 pc.)	1-	-	-	0,25 kg	0,30 kg

Global trade item numbers (GTIN)

Packaging	SWCSM-075
Unit	05401003017784



Dimensions



Length:	Width:	Height:
169 mm	24,2 mm	9,2 mm

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Application example

