

# Soil Moisture Profile Probe

## Specification

Parameter		Specification
Operating Temperature		-40°C ~ 80°C
Measurement Range	Soil Moisture	0 ~ 100%
	Soil Temperature	-15°C ~ 35°C
	Soil Conductivity (optional)	0 ~ 20000 μS/cm
Measurement Accuracy	Soil Moisture	±5% (@50%, 25°C)
	Soil Temperature	±0.5°C (25°C)
	Soil Conductivity (optional)	0–10000 μS/cm: ±3% FS; 10000–20000 μS/cm: ±5% FS (Loamy soil, 60%, 25°C)
Measurement Point Spacing		10cm
Solar Power Supply		30W 20Ah
Housing Material		PVC plastic tube
Output Signal		RS485
Power Consumption reference for 3 layer		0.7W
Power Consumption reference for 5 layer		0.96W
Response Time		≤ 60 s



## Ordering Information

AECIHWVMWXYZ is the base part number of this product.

W = T if soil temperature sensor is included, otherwise 0.

X = T if soil moisture sensor is included, otherwise 0.

Y = T if soil conductivity sensor is included, otherwise 0.

Z represents number of layer, from 1 to F meaning 1 to 15 layers.

Part Number	Soil Temperature	Soil Moisture	Soil Conductivity	Layer
AECIHWVMTM0F				15
AECIHWVMTM0A				10
AECIHWVM0MC5				5
AECIHWVMTMC8				8



## Warning

Assumes no liability for any damage resulting from the use of this product. CHINOTECH INTERNATIONAL LIMITED reserves the right to change this data sheet at any time without notice. The information furnished by ChinoINT is believed to be accurate and reliable. However, no responsibility is assumed by ChinoINT for its use, not for any infringements of patents or other rights of third parties resulting from its use.

## Product Warranty and Customer Support

ChinoINT warrants all products free from defects in material and workmanship for a period of one year from the date of shipping. During the warranty period, we will, at our position, either repair or replace any product that proves to be defective. To report any defect, please inquiry [sales@chinoint.com](mailto:sales@chinoint.com)

Unauthorized opening and improper repairs on the device may result in substantial damage to equipment or endanger the user. The product described in this documentation may be operated only by personnel qualified. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products. Always disconnect the power plug before you open the device.

Please have the model, serial number and a detailed problem description available when you call. If the problem concerns a particular reading, please have all meter readings available.

This warranty does not apply to defects resulting from unauthorized modification, misuse. If you install or exchange system expansion and damage your device, the warranty becomes void.

## Product Warranty and Customer Support

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

