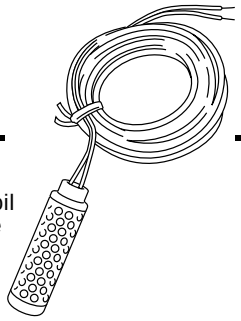
WATERMARK Soil Moisture Sensor

For the Wireless Soil Moisture/Temperature Station (6345)



6440

VANTAGE PRO2

The WATERMARK soil moisture sensor is an indirect, calibrated method of measuring soil water content. It is an electrical resistance type sensor. The Soil Moisture/Temperature Station converts the electrical resistance reading from the sensor into a calibrated reading of centibars of soil water suction with a range from 0 to 200 centibars.

The WATERMARK soil moisture sensor is a product of the Irrometer Company, Inc.

Specifications

General

Sensor Type	Electrical resistance
Attached Cable Length	15' (4.6 m)
Cable Type	WATERMARK standard, two-wire, wires stripped and tinned
Maximum Cable Length	1000' (300 m) (18 AWG UF recommended)
Housing Dimensions	7/8" diameter x 3" (22 mm diameter x 76 mm)
Weight	3.6 oz. (103 g)

Console Data (as displayed on Vantage Pro consoles)

Resolution	1 cb
Range	0 to 200 cb
Update Interval	62.5 to 75 seconds
Current Data	Instant Reading; Daily and Monthly High and Low
Historical Data	Hourly Readings; Daily and Monthly Highs and Lows
Alarms	High and Low Thresholds from Instant Reading

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DS6440 (Rev C, 11/10/04)