



## METER ENVIRONMENT



# WP4C

### TOP MARKS IN SOIL MEASUREMENT

Unparalleled accuracy. Simplicity of use. Fast speeds. The WP4C meets the highest of instrumentation standards and more. As a result, it instills complete trust and eliminates confusion, which combine to add up to considerable time savings.

### FEATURES

- Precise mode
- Chilled mirror dew point technique
- Fast equilibration
- Unparalleled accuracy in the -0.1 MPa to -300 MPa range
- Durable and easy to clean
- Easy to calibrate with saturated salt solutions
- Conforms to ASTM D6836
- Use with HYPROP to create a full soil moisture release curve

### MEASUREMENT SPECIFICATIONS

WATER POTENTIAL	Range: 0 to -300 MPa Resolution: NA Accuracy: $\pm 0.05$ MPa from 0 to -5 MPa 1% from -5 to -300 MPa
WATER ACTIVITY	Sensor type: Chilled mirror dew point Range: 0.030-1.000 $a_w$ Resolution: 0.001 $a_w$ Accuracy: $\pm 0.005$ $a_w$ Repeatability: 0.002 $a_w$
TEMPERATURE	Range 15-40 °C Resolution 0.1 °C Accuracy $\pm 0.2$ °C
READ TIME	
Soil sample:	~10-15 min (precise mode) <5 min (fast mode)
Plant sample:	~20 min

### PHYSICAL SPECIFICATIONS

CASE MATERIAL	Powder painted aluminum
WEIGHT	3.2 kg (7.1 lb)
DISPLAY	20 x 2 alphanumeric LCD with backlighting
POWER	110-220 VAC 50/60 Hz
OPERATING TEMP	5-40 °C
INTERFACE CABLE	Standard RS-232 to USB cable (included)
SAMPLE DISH	
CAPACITY	7 mL recommended (15 mL full)
SENSOR TYPE	Chilled-mirror dew point sensor Infrared temperature sensor