

# WET / DRY BULB PSYCHROMETER

- **Aspirated with built-in fan**
- **2% accuracy**
- **Reflects solar radiation**
- **Corrosion resistant**

## MODEL: HT-WD-A

Our wet and dry bulb psychrometer has been designed for mushroom and greenhouse applications. Wet and dry bulb humidity measurements taken with this instrument are extremely accurate because we use matched pairs of sensors and provide forced ventilation across the wet bulb using a miniature fan.

This psychrometer functions throughout the complete humidity range including the area between 90 and 100%rH where mushroom growers especially need precise control.

The outside of the unit is white to reflect solar radiation and the sensors are mounted inside the instrument so that sunshine can not reach them.

The large water reservoir typically requires filling only once a month in high humidity areas. At low humidities more frequent filling may be required.

The fan and both temperature sensors are connected at a terminal strip inside the moisture resistant junction box on the top of the instrument.

The unit is splashwater resistant and usually suspended by the two eyelets on the top of the unit.

Because the fan will require replacement from time to time the fan assembly can be removed with one screw for easy access to the fan.



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## TECHNICAL DATA

### Range

operating: 0 to 100% rH / 0 to +45C

### Accuracy

2%rH / 0.3C at 25 degrees C

### Size

12" x 4" x 8" (L x W x H)

### Response Time

1 minute from 90% to 10% rH

### Output

2 x Pt100 standard, 2 x 10K or 4-20mA optional

### Load

500 ohms + / - .1% at 24 VDC supply

### Power Supply

24 VDC + / - 10%

### Operating/Storage Temperature

0 to +60 C / -20 to +70 C for 0-100%rH, non-condensing

### Medium

Do not expose to vapours such as acetone that attack plastic.

## ORDERING DATA

HT - WD - A - ( ) - ( )

sensor type  
R = RTD  
T = Thermistor

sensor value  
100 = 100 ohms  
10K = 10k ohms

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