PSYCHROMETER

PCE-555BT



- **Bluetooth interface for Android and iOS**
- **Temperature measurement up to 60 °C / 140 °F**
- **LC display with backlight**
- **Wet bulb temperature**
- **Humidity measurement up to 100% RH**
- **MIN / MAX / HOLD function**
- **Automatic shutdown**
- **Dew point temperature**

With the psychrometer it is possible to determine the humidity, ambient, wet bulb and dew point temperature. Measurements up to 60 °C are possible with the environmental measuring device. The environmental measuring device can therefore be used universally because of its various measuring functions in order to determine the environmental conditions. With a high accuracy of ± 0.5 °C and ± 3.5% RH. the environmental measuring device determines the current measured value very precisely. The environmental measuring device is used, for example, to check the climatic conditions in offices, cold rooms or in greenhouses.

The psychrometer with Bluetooth interface can establish a direct connection to an Android or iOS device. This makes it possible to expand the environmental measuring device with a mobile device. With the free “MeterboxPro” app, the measured values from the environmental measuring device can then be displayed in a table or graph on an Android or iOS system. At the same time, they act as data loggers. The recorded measurement data are saved in CSV file format after a measurement.

Specification

Wet bulb temperature	
Measuring range	0 ... 40 °C
Resolution	0,1 °C
Accuracy	±0.5 °C
Wet bulb temperature	
Measuring range	40 ... 60 °C
Resolution	0,1 °C
Accuracy	±1 °C
Wet bulb temperature	
Measuring range	32 ... 104 °F
Resolution	0,1 °F
Accuracy	0.9 °F
Wet bulb temperature	
Measuring range	104 ... 140 °F
Resolution	0,1 °F
Accuracy	1.8 °F
Dew point	
Measuring range	-20 ... 0 °C
Resolution	0,1 °C
Accuracy	±0.5°C
Relative humidity	
Measuring range	0 ... 20 % RH
Resolution	0,1 % RH
Accuracy	±5 % RH
Relative humidity	
Measuring range	20 ... 80 % RH
Resolution	0,1 % RH
Accuracy	±3.5 % RH
Relative humidity	
Measuring range	80 ... 100 % RH
Resolution	0,1 % RH
Accuracy	±5 % RH
Temperature	
Measuring range	-20 ... 0 °C
Resolution	0,1 °C
Accuracy	±0.5 °C

General technical data	
Measuring functions	MIN, MAX, HOLD
Display type	LCD with backlight
Display size	2 Inch
Storage medium	only through the app
Storage capacity	2 GB
Memory capacity (additional information)	Android: 2 GB RAM memory recommended / iOS: 2 GB RAM memory
Interface	Bluetooth
Automatic power-off	15 min
Tripod thread	3/8 inch
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
Capacity	640 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	-20 ... 60 °C , 0 ... 80 % RH
Dimensions (L x W x H)	204 x 54 x 36 mm
Weight	172 g

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