

Hygrometer Kit PCE-EV-KIT 3



This hygrometer kit includes gauges for demanding applications with advanced functionality. The hygrometer kit has been specially formulated to meet all requirements with regard to the assessment of the environment. With these devices, the recorded values are saved and can then be evaluated on a PC or laptop.

The hygrometer kit consists of the following devices:

- ▶ P1 / **PCE-322A**
- ▶ P2 / **PCE-890U**
- ▶ P3 / **PCE-174**
- ▶ P4 / **PCE-330**

▶ **PCE-322 A**

The NoiseMeter PCE-322 A is particularly suitable for measurements of sound nuisance in the field of industrial, health, safety and environment monitoring. The noisemeter has a log function, which allows storage of up to 32,700 measurement values.

- ▶ Automatic range: 30 ... 130 dB
- ▶ Manual range: 30 ... 80 dB / 50 ... 100 dB / 80 ... 130 dB
- ▶ Resolution: 0.1 dB
- ▶ Accuracy: ± 1.4 dB

▶ **PCE-890U**

The IR Thermometer PCE-890 U has a very good price / performance ratio. The IR thermometer is a professional device with a measuring range up to $+1150^{\circ}\text{C}$ for contactless measurement of surface temperatures. By the very good distance / spot ratio of 50:1, small objects can also be measured at a distance.

- ▶ Measuring range: $-50 \dots +1150^{\circ}\text{C}$
- ▶ High precision
- ▶ USB interface
- ▶ Adjustable emissivity

▶ **PCE-174**

The LightMeter PCE-174 with a data memory for 16,000 readings is used to measure the lighting conditions in industry, agriculture and research. The lightmeter is increasingly used also for testing the lighting at workplaces, in the decoration of shop windows and by designers.

- ▶ Range: 400.0 / 4000 / lux / 40.00 / 400.0 klux / 40.00 / 400.0 / 4000 / fc / 40.00 kfc
- ▶ Resolution: 0.1 / 1 / 10 / 100 Lux / 0.01 / 0.1 / 1 / 10 FootCandle

Subject to change

▶ Accuracy: $\pm 5\%$ of range ± 10 Digits ($< 10,000$ Lux) / $\pm 10\%$ of range ± 10 Digits ($> 10,000$ Lux)

▶ **PCE-330**

The Hygrometer PCE-330 is well suited for the rapid measurement of room temperature and humidity. The precise hygrometer also allows the dew point (dew point temperature) to be determined. The hygrometer is equipped with a clear display and has a large memory (16,000 values) to save the readings.

- ▶ high precision
- ▶ large memory (16,000 values)
- ▶ rapid measurement

Subject to change



Specifications

Technical Specification PCE-322A

Noise levels	Low 30 ... 80 dB
	Medium 50 ... 100 dB
	High 80 ... 130 dB
	Auto 30 ... 130 dB
Dynamic range	50 dB
Resolution	0.1 dB
Accuracy	±1.4 dB
Frequency	31.5 Hz ... 8 kHz
Storage capacity	32700 values
Frequency evaluation	A and C
Time evaluation	fast (125 ms)
	slow (1 sec.)

Technical Specification PCE-890U

Measuring range	-50 ... +1150 °C
	-50 ... 0 °C: ±4 °C
Accuracy	0 ...+500 °C: ±1.5 % / ±2 °C
	>500 °C: ±2 % / ±2 °C
Resolution	< 1000 °C: 0.1 °C
	> 1000 °C: 1 °C
Measuring spot	50:1
Emission level	0.1 ... 1
Spectral range	8 ... 14 µm

Technical Specification PCE-174

Measuring range	400.0 / 4000 / lux
	40.00 / 400.0 klux
	40.00 / 400.0 / 4000 / fc
	40.00 kfc
Resloution	0.1 / 1 / 10 Lux
	0.01 / 0.1 / 1 / 10 FootCandle
Accuracy	± 5% of reading ± 10 digits (<10,000 lux)
	± 10% of reading ± 10 digits (<10,000 lux)
Storage	16,000 values
Display update	1.5 per second

Technical Specification PCE-330

Measuring range	
Relative humidity	0 ... 100%
Temperature	-20 ... +60 °C
Dew point temperature	-20 ... +60 °C
Resolution	0.1 °C / 0.1 % r.H.
	< 10 % r.H. , > 90 % r.H.: ±4 % r.H.
Accuracy (at 23 ° C)	10 % ... 90 % r.H.: ±3 % r.H.
	-20 °C ... +60 °C: ± 0,8 °C
Sampling rate	2 times per second

More information

Manual P1



Manual P2



Manual P3



Manual P4



More product info



Similar products



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