

Handheld Hygrometer PCE-555



PCE-555 is a combination digital hygrometer and digital thermometer used to measure relative humidity or air humidity as well as air temperature, dew point temperature and wet-bulb temperature. This portable, handheld meter allows for quick and easy detection of environmental conditions. Applications include monitoring climates of refrigerated trucks, warehouses, construction sites and HVAC installations, where excess moisture, condensation and uneven temperatures can create mold, spoilage and health hazards.

- ▶ Offers a compact design, high precision and a fast response time
- ▶ Displays temperature and humidity measurement results simultaneously
- ▶ Features backlight, automatic power off, max hold and data hold functionality

Specifications

Measuring ranges

| | |
|-----------------------|-----------------------------------|
| Humidity | 0 ... 100% relative humidity (rh) |
| Temperature | -30 ... 100°C / -22 ... 212°F |
| Dew point temperature | -30 ... 100°C / -22 ... 212°F |
| Wet-bulb temperature | 0 ... 80°C / 32 ... 176°F |

General specifications

| | |
|----------------------|--|
| Accuracy | ± 2% rh at 25°C / 77°F and 20 ... 80% rh, otherwise ± 2.5% ± 0.5°C / ± 0.9°F (at 25°C / 77°F), otherwise ± 0.8°C / ± 1.5°F |
| Resolution | 0.01% rh, 0.01°C / 0.018°F |
| Response time (% rh) | Approx. 10 sec. (90% at ambient temperature of 25°C / 77°F) |
| Sampling rate | 2.5 times per sec. |
| Display | 4.5-digit dual LCD with backlight |
| Energy efficiency | Automatic power off after 15 min. inactivity (To deactivate, turn device off. Press and hold Hold key and On/Off key at same time. When display comes on, release both keys.) |
| Storage conditions | -10 ... 60°C / 14 ... 140°F, < 80% rh, noncondensing |
| Operating conditions | 0 ... 40°C / 32 ... 104°F, < 80% rh, noncondensing |
| Power supply | 1 x standard 9V battery, NEDA1604 or 6F22 |
| Approx. dimensions | 225 x 45 x 34 mm / 8.9 x 1.8 x 1.3 in |
| Approx. weight | 200 g / < 1 lb |

See user manual for complete technical specifications and operating instructions.

More information

Manual



More product info



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