GENERAL®

6-in-1 In-Duct Digital Psychrometer with Enthalpy

Ideal for HVACR technicians; offers the ability to measure six heat-related parameters using a single instrument. The EP8711P is designed for in-duct measurements of the evaporator unit's output needed to fine-tune the system for optimum efficiency. By calculating the enthalpy of the system, the device allows a technician to compare a system's efficiency before and after charging with a refrigerant.

The EP8711P has a 6-inch long swiveling and graduated sensor-tipped probe designed to measure conditions inside ductwork in order to better diagnose system performance issues. It features a 4-digit, 1.5 in. (38mm) LCD display that can swivel, a 6-inch probe with graduated insertion depth markings and an adjustable rubber bushing. A protective probe cap and a belt clip make the meter ultra-portable and ready for use on the job.

Features:

- Measures:
  1) ambient temperature
  2) relative humidity (RH)
  3) dew point (DP)
  4) wet bulb temperature (WBT)
  5) absolute humidity (mixing ratio in grains per pound (GPP) or g/kg)
  6) enthalpy in Btu/lb. or kJ/kg of air

- Integral 6 in. long sensor-tipped probe for measuring conditions inside ductwork. Probe swivels, increasing placement options.

- Choice of Imperial or metric units for all measured parameters except RH

- 4-digit LCD

- 2-minute Auto Power Off (APO) function

- Low battery indicator

Specifications:

Ambient Temperature Measurement Range / Accuracy: -4° to 158°F (-20° to 70°C) / ±0.9°F (0.5°C) typical

Temperature Measurement Resolution: 0.1°

RH Measurement Range / Accuracy: 0 to 100% / ±3% typical

Dew Point Temperature Range: -76° to 158°F (-60° to 70°C)

Wet Bulb Temperature Range: -49° to 158°F (-45° to 70°C)

Enthalpy Range: -8 to 318 Btu/lb. (-19 to 740kJ/kg) of air

Display Size: 1.5 in. (38mm) diagonal

Battery Life: 1000 hours (typical)

Dimensions: 8.23 x 1.85 x 1.85 in. (209 x 47 x 47mm)

Weight (without battery): 2.2 oz. (63g)

Power Source: (3) "AAA" batteries (included)

Includes:

Meter with Probe, Probe Sensor Protection Cap, Rubber Duct Insertion Bushing, Batteries, User's Manual, Warranty

RH
Humidité relatif
Humedad relativa

DP
Point de condensation
Punto de condensación

WBT
Humide
Bulbo húmedo

GPP
g/kg

Btu
kJ/kg

No. EP8711P

Measuring a system's enthalpy of vaporization

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1 Year Limited Warranty