

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) / $\pm 0.9^\circ\text{F}$ (0.5°C) typical

Temperature Measurement Resolution: 0.1°

RH Measurement Range / Accuracy: 0 to 100% / $\pm 3\%$ 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 740 kJ/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

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1

 Year Limited Warranty

General Tools & Instruments

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GeneralToolsNYC



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