

Kaymont

DESCRIPTION OF KPPRHT-A-1 INSTRUMENT

The KPPRHT-1 is a portable indicator that provides a direct reading of RH, temperature, and dew point. The instrument is calibrated by an NVLAP Accredited Laboratory using instrumentation traceable to NIST and according to ISO.IEC 17025 procedures.

The KPPRHT-1 has the following Performance Specifications and will display the data indicated in the specifications.

PERFORMANCE SPECIFICATIONS

MODEL KPPRHT-A-1

Probe Specifications:

Humidity Sensor	Solid State Capacitance Type
Temperature Sensor	Pt100 ohm RTD

Measured Parameters

Relative Humidity	0 -100%RH
Temperature	0 - 60°C

Calculated Parameters

Dew Point/Frost Point	Displayed in °C or °F
Wet Bulb Temperature	Displayed in °C or °F
Enthalpy	Displayed in J/g or BTU/lb
Absolute Humidity	Displayed in g/m ³ or gr/cuft
Mixing Ratio	Displayed in g/kg or gr/lb

Accuracy of Calibration System (NIST Traceable Instrumentation)	±0.5%RH and ±0.05°C
--	---------------------

Instrument Accuracy @ 23°C

Relative Humidity	±0.5%RH*
Temperature	±0.1°C*

RH Calibration Values	10, 35, 80 and 95%RH @ 23°C
-----------------------	-----------------------------

Documentation Provided	NVLAP Certificate of Calibration (As Left readings and Uncertainty)
------------------------	--

Display Type	Backlit, Graphic Display
Operating Power	9V Alkaline Battery
Housing Material	ABS Plastic

*Instrument is adjusted to read the same values as the NIST traceable instrumentation used for the calibration. Adjustment is only made at 23C. The accuracy of the NVLAP instrumentation is provided with calibration certification. .