

Precision Dew Point Meter



Model RD2680 (Integral)
RD2680S (Separate)

Introduction

It is a high-precision professional dew point meter. It is able to measure Ambient Temperature, Dew Point Temperature, Wet Bulb Temperature, Relative Humidity, Absolute Humidity, PPMv, Saturated Vapor Pressure, Vapor Pressure, Mixing Ratio, Specific Enthalpy. Widely used in HVAC, Workshops, factories, warehouses, libraries, offices, computer rooms, laboratory and other temperature and humidity monitoring.

Features

- Large color LCD with display. It can display multiple values at the same time.
- The backlight brightness can be adjusted.
- Temperature unit (°C/°F).
- 0.01 resolution, high accuracy.
- With measurement graph display function.
- With data storage and view functions.
- With Maximum and minimum values function.
- With the displayed values hold function.
- With battery indication function.
- With automatic power off function.
- Integral Sensor has better stability.
- Separate Sensor is designed for gas measurement.

Specifications

Model	RD2680	RD2680S
Display	Color LCD	
Test Parameters	Ambient Temperature, Dew Point Temperature, Wet Bulb Temperature, Relative Humidity, Absolute Humidity, PPMv, Saturated Vapor Pressure, Vapor Pressure, Mixing Ratio, Specific Enthalpy	
Ambient Temperature	Range	-40~125°C (-40~257°F)
	Accuracy	±0.1°C (0~50°C) ±0.15°C (Other)
	Resolution	0.01 (<100) 0.1 (Other)
Relative Humidity	Range	0~100%RH
	Accuracy	±0.7%RH (0~70%RH) ±1.5%RH (Other)
	Resolution	0.01

Model		RD2680	RD2680S
Dew Point Temperature	Range	-45~60°C (-49~140°F)	
	Accuracy	±1°C (-10~60°C) ±(1.5+2%Num)°C (-30~-10°C) ±2.5°C (Other)	
	Resolution	0.01 (<100) 0.1 (Other)	
Wet Bulb Temperature	Range	-5~60°C (23~140°F)	
	Accuracy	±0.5°C	
	Resolution	0.01 (<100) 0.1 (Other)	
Absolute Humidity	Range	0~300g/m³	
	Accuracy	±(0.2+3%Num)g/m³	
	Resolution	0.01 (<100) 0.1 (Other)	
PPMv	Range	100~240000	
	Accuracy	±(30+7%Num)	
	Resolution	1	
Saturated Vapor Pressure	Range	0~500hPa	
	Accuracy	±1%Num	
	Resolution	0.01 (<100) 0.1 (Other)	
Vapor Pressure	Range	0~500hPa	
	Accuracy	±1%Num	
	Resolution	0.01 (<100) 0.1 (Other)	
Mixing Ratio	Range	0~600g/kg	
	Accuracy	±2%Num	
	Resolution	0.01 (<100) 0.1 (Other)	
Specific Enthalpy	Range	0~1500kJ/kg	
	Accuracy	±2%Num	
	Resolution	0.01 (<100) 0.1 (Other)	
Temperature Unit		°C/°F	
Measurement Graph Display		Ambient Temperature, Dew Point Temperature, Wet Bulb Temperature, Relative Humidity, Absolute Humidity	
Data Storage		99 Groups (A Total of 990 Data)	
Operating Conditions		Temperature: 0~50°C; Humidity: 0~90%RH (No Condensation)	
Power Supply		4×1.5V AAA(UM-4) Battery	
Size		205×80×31mm	170×80×31mm