

Tekneka DEW-70 is a high-performance dew point meter designed to precisely monitor and log dew point levels in compressed air systems. Featuring a user-friendly color graphical display, the DEW-70 provides accurate, stable readings of dew point temperatures as low as -50°C (-58°F) at pressures up to 20 bar. It also allows you to set custom audible and visual alarms for dew point, temperature, and humidity thresholds. This advanced device ensures manufacturing processes run smoothly by safeguarding product quality and preventing equipment issues such as corrosion, damaged pneumatics, or malfunctioning cylinders and valves. With seamless data logging and easy CSV export to a PC, the DEW-70 simplifies report generation and ensures operational efficiency.

Features

- Ensure precise measurements every time with the revolutionary sensor purge or purification mechanism, which quickly dries the probe sensor after it comes into touch with moisture.
- Accurately monitor dew points down to -50°C (-58°F) even at ambient pressures of up to 20 bar
- Direct connection of the probe sensor to the compressed air system is possible via $G\frac{1}{2}$ -inch thread
- It features three measuring parameters and the ability to pick different units.
- Easy to hold measured data and manually store it in the device's memory
- It has the capacity to store 32,000 sets of data (32 files and 1000 sets). CSV and export to a PC through a USB port.
- Long-term stability results in optimal performance and minimal maintenance.
- Adjustable high/low alert thresholds that are indicated by a beep and screen notification
- Superior grade sensor for measuring low humidity



Application

DEW-70 dew point meters are crucial in monitoring moisture levels across various industries. They are used to measure and control the dew point in compressed air systems, industrial gas manufacturing, and storage environments to prevent equipment damage, ensure product quality, and maintain system efficiency. Additionally, they guide maintenance tasks by detecting moisture trends, ensuring compliance with operational standards.

Package Includes

- User Manual
- 3.7V Li-ion Battery
- 5V AC Adapter
- Micro USB Cable
- Hard Case

Ordering Info.

DEW-70.....Dew Point Meter Kit

Descriptions	Range	Resolution	Accuracy
Relative Humidity	0% ~ 5%RH	0.01%RH	$\pm(0.025\%RH + 17.5\% \text{ rdg.})$
	5% ~ 15%RH		$\pm(1\%RH + 5\% \text{ rdg.})$
	15% ~ 100%RH		$\pm(2\%RH + 3\% \text{ rdg.})$
Dew Point	$-40^{\circ} \sim 20^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$
	$-50^{\circ} \sim 30^{\circ}\text{C}$		$\pm 2.5^{\circ}\text{C}$
Temperature	$-10^{\circ} \sim 60^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$	$\pm 0.3^{\circ}\text{C}$
H ₂ O Concentration	40 ~ 20000ppm	1ppm	$\pm(7.3\text{ppm} + 8.3\% \text{ rdg.})$
<i>Note: Accuracy at environment temperature: 16$^{\circ}\text{C}$ to 25$^{\circ}\text{C}$ (60.8$^{\circ}\text{F}$ to 77$^{\circ}\text{F}$)</i>			

General Specification	
Response Time	20s (120 s) @ 0°C to 40°C Td (32 $^{\circ}\text{F}$ to -40°F Td) 10s (20 s) @ -40°C to 0°C Td (-40°F to 32 $^{\circ}\text{F}$ Td) <i>At flow rate 0.2 m/s, 1 bar pressure, 63% RH [90% RH]</i>
Datalogging	32,000 data sets
Display Resolution	0.1 $^{\circ}\text{C}$ / 0.1%RH / 0.1 hPa, 0.1mmHg, 0.01inHg
Display Size	5.5-inch (LCD)
Data Output	USB
Export Report Format	.CSV
Recording Interval	10s, 1min, 5min, 10min, 20min
Recording Time	1hr, 5hrs, 12hrs, 24hrs, 48hrs
Alarm	Beep & Visual notification (High/Low)
Power Supply	3.7V rechargeable Li-ion battery
Operating Conditions	-10°C to 60°C (14 $^{\circ}\text{F}$ to 140 $^{\circ}\text{F}$), Pressure: 0 to 20 bar
Dimension	Device: 192 x 77 x 40mm, Package: 385 x 285 x 105mm
Weight	Net: 600g/ Gross: 2.1kg