Dew Point Mirror 973



Reliable Measurement

The Model 973 Dew Point Mirror is a portable instrument equipped with an integral measuring head for both spot and continuous measurement of Dew/Frost point and temperature in air and gas mixtures. Based on the chilled mirror principle, the 973 ensures direct and accurate humidity measurement.

Full Color Touch Screen

The system uses a full-color active matrix liquid crystal display with an integral touch panel. It has a high contrast ratio and a wide viewing angle for easy readability. Data is displayed in large easy to read fonts. Using the on screen buttons and menus, you can easily configure each line of the display for a variety of humidity, temperature, and pressure parameters that may be viewed in either SI or non-SI units. A simple touch of a button toggles any parameter between numeric or graph format.

Dew/Frost Determination

User configurable via the full color active matrix LCD touch screen, the 973 may be configured for measurement of dew point, frost point, relative humidity, and other parameters. The ForceFrost™ feature ensures reliable differentiation between super-cooled dew and frost.

Verifiable Calibration

Easily check the calibration at any time using the built-in Ice Test function, providing instant proof of system accuracy and integrity.

Connect and Go

The system is supplied ready for immediate use complete with built-in pump, flowmeter, pressure sensor, and external temperature probe. PC connectivity for remote data collection is easy with the simple yet robust protocol of the bi-directional RS-232 port.

Model:	973
Measuring range:	
Frost/Dew Point	-50…+20°C
% RH	5…100%
Temperature	-50…+150°C
Accuracy:	
Frost/Dew point	±0.1°C
Temperature	±0.07°C
Reproducibility:	
Frost/Dew Point	± 0.05°C
Temperature	± 0.05°C
Thermoelectric Mirror cooling:	3-stage, 80°C depression
Cooling:	Air
Display:	Active Matrix Color Graphic LCD
Digital I/O:	RS-232
Gas couplings:	¼” Swagelok
Mirror temperature sensor:	PRT-100
Sample gas flow rate:	0.2…1.0 l/min
Sample gas circuit:	PTFE (Teflon)
Sample gas max pressure:	2 bar (10 bar option available)
Operation temperature:	-10…+40°C
Storage temperature:	-10…+40°C
Ambient humidity: Instrument	90% RH max., non condensing
Voltage:	100…240 VAC, 50/60 Hz
Power consumption:	200 Watt
Width:	440 mm
Height:	155 mm
Depth:	410 mm
Weight:	12 kg

We reserve the right to change design or technical data without notice.

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