

# PORTABLE DEW POINT MONITOR

MODEL: DPM 8074  
DPM 8074-230V

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**DEWPOINT MONITOR  
MODEL 8074**

**SPECIFICATIONS**

<b>Dew Point Range:</b>	+10°F to +70°F (at +73°F sample air temp) 0°F to +50°F (at +50°F sample air temp) +35°F to +90°F (at +100°F sample air temp)
<b>Ambient Air Temp.:</b>	+50°F to +100°F (sample air temp is approximately equal to ambient air temp)
<b>Accuracy:</b>	±2°F
<b>Pressure Range:</b>	-1 to +7 psig
<b>Alarm Indication:</b>	Red Light and Audible Alarm With Silencer Switch
<b>Alarm Set Point:</b>	+50°F (10°C) Adjustable
<b>Recorder Output:</b>	4-20mA Scaled as -40°F to +70°F. Jumper Selectable 0-5V.
<b>Sensor Part No.:</b>	1826-2
<b>Dimensions:</b>	8074 Carrying Case – 9" X 12-1/2" X 5" Deep
<b>Net Weight:</b>	8 lbs.
<b>Power Requirements:</b>	115VAC ±10% 50/60Hz 0.1 AMPS ( <b>230V available</b> )
<b>Pump Specifications:</b>	Flow: 2.5L/min. (0.08 SCFM) Vacuum: 6" Hg Pressure: 3.2 psi (All pump specifications are nominal.)

**PRINCIPLE OF OPERATION**

The 8074 Dew Point Monitor has a vacuum pump that pulls sample air into a sensor manifold. The sensor manifold contains a 3-element moisture sensor and a temperature transducer. With humidity and temperature signals the circuitry can provide temperature compensated dew point measurement.

