

# QUANTIFY

what you can not see.

## ALNOR Dewpointer®

Dew points of gases are determined quickly and accurately with the Dewpointer. The Dewpointer is completely portable, easy to operate and extremely reliable. Readings are reproducible and easily translated to relative humidity, parts per million, pounds per 1000 cubic feet, or other appropriate engineering measurements.

Dewpointers can also be provided with Americium to increase accuracy, allow for readability to -80°F, and minimize variability of gas samples.

Dewpointer applications include air dryers, heat treating furnaces, welding operations, natural gas transmission and any other application where the dryness of air or gas is critical.

### General Industrial Model 7000U

Model 7000-U is a general purpose Dewpointer suitable for measurements from 10° below ambient to -10°F (ambient less 10°C to -23°C). Measurements from 10°F below ambient to -80°F (ambient less 10°C to -62°C) can be obtained with the Americium 241 option.

### General Industrial Model 7200U

Model 7200U is similar to Model 7000U, but is for use with gas already under pressure.

### Americium Foil -Optional

The formation of a visible fog at the dew point temperature depends on the presence of particles in the gas to act as nuclei around which the droplets can form. In practically all cases, those particles are always present. If, however, the gas is completely dust free it would be possible to cool the gas below the dew point temperature without condensing the moisture. This is referred to as "supercooling" and it is a serious source of error in the attempts to measure low dew point temperatures. It is in the effort to eliminate this kind of error that DICKEY-john uses Americium 241 to ionize the gas in the fog chamber and provide particles upon which water vapor can condense and develop a fog.



To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc.  
 Click here>> [www.raeservices.com/services/quote.htm](http://www.raeservices.com/services/quote.htm)

DICKEY-john Corporation, manufacture of Alnor Dewpointers, provides a wide selection of unusually precise instruments for determining the dew point temperature of air, heat-treating atmospheres or process drying gases. The maximum range of temperatures that can be measured is from 10°F (5°C) below room temperature to -80°F (-60°C).



Model	Scale	Temp Limit	Voltage	Part Number	
7000U	°F	-10°F	120V 220V	656-001-007 656-001-009	
		-80°F	120V 220V	656-001-008 656-001-010	
	°C	-23°C	120V 220V	656-004-003 656-004-001	
		-62°C	120V 220V	656-004-002 656-004-004	
	7200U	°F	-10°F	120V 220V	658-001-002 658-001-004
			-80°F	120V 220V	658-001-003 658-001-005
°C		-23°C	120V 220V	658-004-009 658-004-007	
		-62°C	120V 220V	658-004-008 658-004-010	



For Dewpointer sales and service contact DICKEY-john at

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