

Demonstrating Alarm Function

Dew Point Alarm on a Model 6995 Membrane Air Dehydrator

The following procedure demonstrates that the dew point alarm is functioning.

Determine the dew point alarm setpoint before starting the procedure. Begin the demonstration with the dehydrator in normal operation.

I. Align the dehydrator for alarm testing:

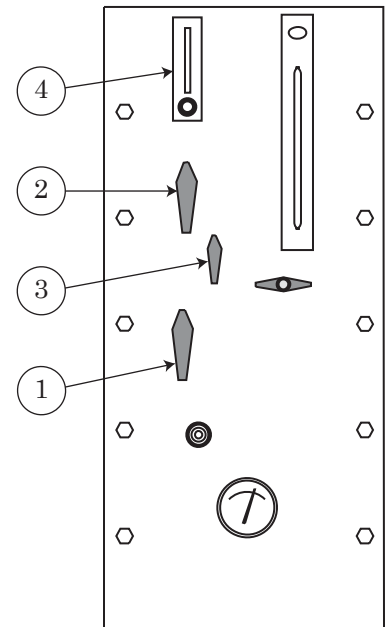
- Set the purge selector valve (1) to the Isolate position.
- Set the shutoff valve (2) to the Isolate position.
- Set the calibration dump valve (3) to the Calibrate position.

II. Vary the dew point:

- Open the valve in the calibration flowmeter (4) slightly to admit wet air to the sensor.
- Monitor the dew point.
- Verify alarm function by the red flashing alarm lamp, the audible alarm, and the closure of the remote alarm relay.

III. Return the dehydrator to normal operation:

- Close the valve in the calibration flowmeter (4).
- Return the calibration dump valve (3) to the Normal position.
- Return the shutoff valve (2) to the Normal position.
- Return the purge selector valve (1) to the Normal position.
- Monitor the dew point.
- Verify that the alarm resets when the air dew point drops below the alarm setpoint.



Instrument Panel,
Model 6995

Howell Laboratories, Inc.

188 Harrison Rd.
Bridgton, Maine 04009
(207) 647-3327

(888) 744-8359

e-mail: contracts@howelllabs.com
An Employee-Owned Company

FAX (207) 647-8273
web: www.howelllabs.com
Certified to ISO 9001