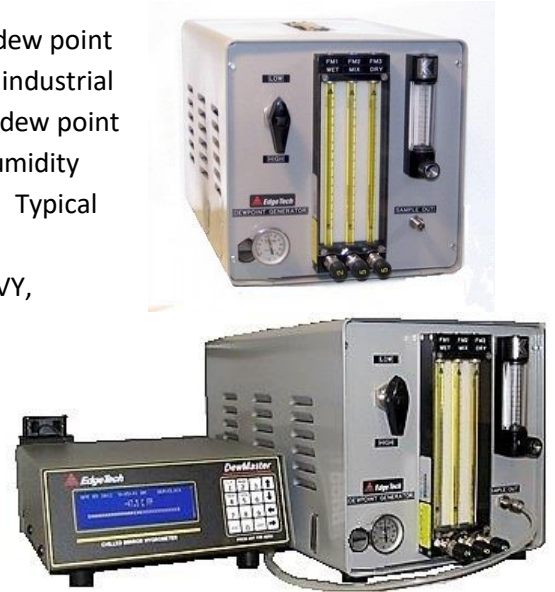


## ***DewGen – Dew Point Generator***

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**Application:** The Edgetech Instruments Model DewGen is a rugged, precision dew point generator used in National and Private metrology labs, calibration houses and industrial quality operations. It generates a wide range of humidity from extremely low dew point to near saturation. Commonly used to generate gases for the calibration of humidity probes and precision hygrometers or for use in scientific experiments/ testing. Typical Users include metrology labs, calibration houses, maintenance shops within Pharmaceutical/ Biopharm facilities, cryo facilities, national labs (including NAVY, Airforce, Army, NASA, OakRidge, Brookhaven, ...), any facility that measures lower dew point gases and has dew point or trace moisture analyzers.

**Description:** The **Model DewGen** is a divided flow dew point generator for blending gases from +15°C to frost points to -80°C. The source gas is typically dry nitrogen. This is precisely blended with a humid gas stream generated from a planar surface saturator. The DewGen allows you to select any dew points from 1ppm of water vapor to near saturation. The DewGen manual contains a set of tables describing the flow meter settings for dew points from -80°C to +15°C. The DewGen can be used as a stand-alone unit or used with an Edgetech Instruments Model DewMaster with an S3 chilled mirror dew point sensor resulting in a very accurate, NIST traceable calibration system.



### **TO ORDER:**

Determine the desired range of dew point and the accuracy/resolution of the generated gas stream. For less stringent requirements, just using a DewGen and the tables in the operator's manual may suffice. Many applications require more accurate knowledge or traceability, and so a DewMaster or another one of our Hygrometers can be used in conjunction with the DewGen.

- If you have decided that you need to verify the DewGen output gas, decide the accuracy required. We offer several solutions to work in tandem with the DewGen depending on the range of Dew Point gas desired. This ranges from the popular DewMaster chilled mirror hygrometer that is NIST Traceable and has a wide range of measurement, to the PPM1 that measures only in the trace moisture range of 0-1250 PPMv. Another option is Model 6744 polymer sensor based transmitter with display. All hygrometers can be used to measure the generated gas stream and then you simply adjust the flow meters to generate the desired dew point gas stream.
- There are no options on the DewGen- just order "DewGen". special discounts on the hygrometer may apply when ordered in conjunction with the DewGen. Inquire with Sales. List as a separate line item Extended Warranty, if desired.

**TO ORDER THE DewGen:** Only one configuration other than country and power

**DewGen:.....\$8,525.00**

**\*\*\* Does not include the price of DewMaster reference hygrometer**

**3YEW 3-Year Extended Warranty, includes any repairs within the warranty statement .....\$500.00**