

PPMG101

Dew Point Generator



FEATURES

- Precision dual float flow meters, plus a precision, switchable double dilution source provides for a wide dew point dynamic range of -80C to 15C
- Large diameter, high resolution temperature gauge easily viewable.
- No electrical power needed
- Portable
- Easy to fill saturator
- A complete calibration transfers standard system when paired with the Roscid chilled mirror hygrometer

APPLICATIONS

- METROLOGY LABS
- R&D PROJECTS
- FIELD CALIBRATIONS
- PHARMACEUTICAL
- RESEARCH LABS
- SCIENTIFIC INSTITUTIONS
- EDUCATIONAL INSTITUTIONS



PPMG101: Dew Point Generator

Roscid Technologies dew point generator, the model PPMG101, is a precision moisture generator able to create a wide range of moisture levels. It can be used as a standalone verification unit or used in synchrony with a NIST traceable chilled mirror hygrometer (Roscid's DewTran) to create a transfer standard calibration system for metrology labs, R & D and field calibrations.

This double dilution system offers a wide mixing ratio range of 50,000 to 1 (.5ppm to 25000 ppm) allowing a dew point/frost point range of -80C to 15C to be achieved. Regardless of the mixing flow adjustments, the flow output is constant, condensation and water backup issues removed because of the elevated saturator pressure and the total flow control meter.

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Technical Information

Generation Method	Divided flow, double dilution system
Dry Gas Supply	Max 25C dryer than the lowest frost point/dew point to be generated
Response Time	< 2 minutes
Sample Line Connections	¼" tube compression fittings
Input Pressure	150psig max
Repeatability	+/- 0.25°C
Enclosure Dimensions	25" L X 12.125" W X 12" H
Adjustable Flow Rate	0-6.5 L/min (0-13 scfh)
Operating Temperature	5°C to 40°C
Stability	+/- 0.25°C
Accuracy	+/- 0.5°C typical
Dry Gas Supply	Nitrogen, or dry air

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Dimensions:

