



Edgetech Instruments

Moisture and Oxygen Measurement Products and Services Overview

Edgetech Instruments Inc. is a world class, global company located in Hudson, Massachusetts, USA, with over 50 years experience in the design and manufacture of a comprehensive portfolio of dew/frost point, absolute and relative humidity moisture sensors with a complimentary line of analysis instrumentation. Today we utilize a wide range of sensing technologies to measure moisture as well as oxygen concentration and other physical parameters. For more information visit www.edgetechinstruments.com.



Technologies Include:

Chilled Mirror Dew/Frost Point Sensors: Primary method, for highest accuracy, from laboratory standard to process and testing applications in permanent and portable packages

Electrolytic Phosphorus Pentoxide Moisture Sensor: For high accuracy in difficult trace moisture applications, in remotely mounted transmitter or battery portable packages

Polymer Relative Humidity Sensor: For air and environmental applications, with temperature and pressure measurement and with a replicable sensor, in a compact transmitter package

Services Include:

Recertification, Recalibration and Replacement Sensors: For Edgetech Instruments Inc. analyzers as well as those made by other major manufacturers, performed in an ISO/IEC 17025:2017 accredited ISO 9001:2015 registered calibration laboratory

Product Applications Include:

Compressed air drier efficiency
Furnace control and heat treating
Pharmaceutical manufacturing
Injection molding and plastics
Materials and product testing
Engine test cells and octane testing
Glove box environment

Medical air and gas purity
Atmospheric analysis
Semiconductor manufacturing
Air separation quality assurance
Laboratory analysis and metrology
HVAC test cells and system control
Process measurement and control

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Edgetech Instruments

ISO 9001:2015 Registered
ISO/IEC 17025:2017 Accredited

Products and Services Overview



DewMaster

Laboratory Grade Chilled Mirror Hygrometer
Field proven, high reliability.
Automatic Balance Control.
Now available with X3 sensor.

X3 Sensor

Chilled Mirror Dew/Frost Point Sensor
Primary method, high accuracy,
Best in class temperature depression, air or liquid cooled.



SENTRY

Compressed Air Monitor
Alarms on high dew point or low air pressure, audible and visible alarms, easy installation with Compressed Air Module valving system.

PPM1 & PPM2

Trace Moisture Transmitters
Permanent or portable, flow independent P_2O_5 Sensor
0.1 to 1250 PPMv.



DewMaster NEMA 4 With Optional Chiller

Rugged, Low Dew/Frost Point Chilled Mirror Hygrometer
Automatic Balance Control
Dew/frost point, RH, PPM, temperature, pressure.

DewTech 390

Precision Low Dew/Frost Point Chilled Mirror Hygrometer for laboratory metrology. Rack or desk mount options. Integral cryo-cooling. Dew/frost points to -90°C .



PDM75-X3 Transportable Precision Hygrometer

Portable Chilled Mirror Hygrometer
Precision in-the-field measurement of dew/frost point, RH, temperature.

Model DPS3-HTS2

Temperature Controlled Chilled Mirror Hygrometer for High Dewpoints
High precision, NEMA 4 heated enclosure, flow meter and heated sample hose.



RH-CAL

Portable Humidity Calibrator
Self-sufficient humidity calibration system for probes and sensors using primary method chilled mirror technology.

200M

Precision Meteorological Chilled Mirror Hygrometer
Sensor module is mounted to a pole or building. Dew/frost point, air temperature, RH, WB. Rugged for demanding environments, long life, low maintenance sensor.



Products and Services Overview



DewTrack II Wall Mount

Chilled Mirror Dew/Frost Point or RH Transmitter
For industrial, process and environmental applications. Primary method, high accuracy.

DewTrack II With Remote Sensor

Chilled Mirror Dew/Frost Point Transmitter
Multiple sensor options. Primary method, high accuracy.



DewTrack II MO

Chilled Mirror Dew/Frost Point Transmitter for Motor Octane
For monitoring air intake moisture content and barometric pressure in CFR Engines.

DewTrack II Duct Mount

Chilled Mirror Dew/Frost Point Transmitter for HVAC
Duct mounting. Primary method, high accuracy. Low maintenance.



COM.AIR

Industrial Grade Chilled Mirror Hygrometer for Compressed Gas
Automatic Balance Control. Dew/frost point, temperature pressure.

Model 1500

Portable Chilled Mirror Hygrometer
Automatic Balance Control Dew/frost point, RH, PPM, temperature, pressure. Battery operated or ac powered.



DPM-99

Medical Grade Chilled Mirror Hygrometer for Compressed Gas
Exceeds NFPA 99 specification for medical gas service. Hospital gas purity.

OxyTran Transmitter

Trace Oxygen Content
For process gas streams. Auto-ranging. Suitable in hazardous areas. Panel mount, with sampling systems.



ELH

Precision Controlled Humidity and Temperature Chambers
Calibration, humidity soak or material testing. NIST traceable temperature, humidity and dew/frost point. Includes DewMaster Hygrometer. Multiple sizes. Programmable humidity and temperature cycles.

DEWGEN

Portable Dew/Frost Point Generator
Self-Sufficient Dew/Frost Point Generator for calibrating probes/sensors. Can be coupled with the DewMaster.



Products and Services Overview

Edgetech Instruments services most major brands of hygrometers with our quick and friendly Rapid Response Customer Service.

Dew/frost point, humidity, temperature and oxygen content recertification and calibration services are performed in the USA, in our ISO/IEC 17025:2017 accredited, ISO 9001:2015 registered calibration laboratory.

Edgetech Instrument's calibration laboratory is accredited to the ISO/IEC 17025:2017 standard by Perry Johnson Laboratory Accreditation, Inc.

ISO/IEC 17025:2017 is the standard for which calibration laboratories must hold accreditation in order to be deemed technically competent. This formal accreditation is recognition of Edgetech Instruments Inc.'s calibration laboratory's competence and adherence to the Standard.

All recertifications and calibrations are traceable to NIST, assuring the highest level of accuracy and confidence.

Special services include high accuracy calibrations and startup assistance with product training.



Accreditation Number 92175



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