Edgetech Instruments Inc. (ETI) is a USA company based in Massachusetts. We have over 50 years of expertise in the design and manufacture of a comprehensive range of dew/frost point, RH, and moisture sensors as well as a complimentary line of analysis instrumentation. From our early beginnings working directly with the MIT researcher that conceived the idea of using a chilled mirror to measure dew/frost point, Edgetech Instruments has become world renown in the development of moisture analysis methods. Today we utilize a wide range of sensing technologies to measure moisture and an assortment of gas species and physical characteristics.

The chilled mirror sensor is a NIST Traceable Primary Method Technique to measure dew/frost point. It is very robust, has excellent accuracy, quick response time and an extremely long life characteristic. ETI offers chilled mirror sensors in a variety of configurations including remote probes in addition to local flow through sampling heads.
The Edgetech Advantage

Using the “**Edgetech Advantage**” each model is designed to meet your application needs. Our solutions constantly evolve as application requirements change. Our product specialists guide you through the process of matching the correct product configuration to your application or process requirements. The Edgetech Advantage provides you a path to successful measurement and control.

**Compressed air drier efficiency**
**Medical Air/ Gas Purity**
**Furnace control & Heat treating**
**Atmospheric analysis from aircraft**
**Pharmaceutical manufacture**
**Semiconductor manufacture**
**Injection Molding/ Plastics**
**Air separation quality assurance**
**Materials/ Product testing**
**Laboratory Analysis/ Metrology**
**Engine Test Cells & Octane Testing**
**HVAC test cells/ System control**
**Glove Box applications**
**Process measurement and control**

**Improve** your bottom line with budget friendly solutions.
**Reduce** maintenance time and costs.
**Eliminate** inaccurate or faulty measurements.

**The Edgetech Advantage includes choosing the right sensor for your application:**

In addition to moisture analysis instrumentation, we also manufacture dew/frost point generators, RH controlled environmental chambers, RH probe calibration equipment, oxygen analyzers, and sampling systems.

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Toll Free: 800-276-3729  Ph: 508-263-5900  Fax: 508-486-9348
E-mail: h2o@edgetechinstruments.com  Web: www.edgetechinstruments.com
Choice in Application Specific Systems

DewMaster
Laboratory Grade Chilled Mirror Hygrometer
Automatic Balance Control DP/ RH/ PPM/ Temp/ Press

DewTech 390 DeskTop Precision
Extra-Low Dew/Frost Point
Chilled Mirror Hygrometer for Laboratory/ Metrology.
Dew/Frost Points to –90°C
Exceptional Value

DewMaster NEMA 4 w/ Optional Chiller
Rugged, Low Dew/Frost Point Chilled Mirror Hygrometer
Automatic Balance Control DP/ RH/ PPM/ T/ Press

DewTech 390 Rack Mount
Extra-Low Dew/Frost Point
Chilled Mirror Hygrometer for Laboratory/ Metrology
Dew/Frost Points to –90°C

Rack Mount DewMaster
19 inch Rack System generally fitted with remote mount chilled mirror sensor
- Instrument Carts
- HVAC Systems

DewMaster– X3LC
Low Dew/Frost Point Chilled Mirror Hygrometer
Features the X3 Liquid Cooled Chilled Mirror Hygrometer

PDM-75 Transportable Deluxe Hygrometer
Chilled Mirror Hygrometer For measurement of Dew/Frost Point, RH, Temperature

Model DPS3-HTS2
High Temperature Chilled Mirror Hygrometer with self diagnostics, NEMA 4 heated enclosure, integrated flow meter & heated hose. Prevents condensation from occurring within the sensing package for trouble free operation.
- Nuclear Fuel Processing
- Fluidized Bed Dryers
- Heat Treat/ Furnace Applications
- Chemical Reactor

Model 137 Vigilant
Chilled Mirror Hygrometer for atmospheric monitoring from aircraft. Remote sensor mounts on external fuselage.
Choice in Application Specific Systems

Model 1500
Portable Chilled Mirror Hygrometer
Automatic Balance Control
DP/ RH/ PPM/ Temp/ Press
Available in Battery Operated or Universal VAC

COM.AIR
Industrial Grade Chilled Mirror Hygrometer for Compressed Gas
Automatic Balance Control
Dew/Frost Point/ Temperature/ Pressure

DPM-99
Medical Grade Chilled Mirror Hygrometer for Compressed Gas
Meets/ exceeds NFPA 99 for medical gas service. Hospital gas purity

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.

OxyTran2 Transmitter
for monitoring Trace Oxygen content in process gas streams
Auto-Ranging
Available in Explosion Proof, Panel Mount and with sampling systems

OxyTran Low Cost Transmitter
for monitoring Trace Oxygen content in process gas streams.
Available in Explosion Proof, Panel Mount and with sampling systems.

Oxymaster 2 in 1
for monitoring Trace Oxygen & Moisture content in process gas streams and glove box.

PPM2
Portable Trace Moisture Transmitter
Flow Independent
P2O5 Sensor
0.1 to 1250 PPMv
Cylinder Fill
Furnace Test

PPM1
Trace Moisture Transmitter
Flow Independent
P2O5 Sensor
0.1 to 1250 PPMv
Low Cost – Flexible!
Glove Box
Process or Lab

PPM1
Trace Moisture Transmitter
Flow Independent
P2O5 Sensor
0.1 to 1250 PPMv
Low Cost – Flexible!
Glove Box
Process or Lab
DewTrack II
Wall Mount
Chilled Mirror
Dew/Frost Point Transmitter

DewTrack II
Remote Sensor
Chilled Mirror
Dew/Frost Point Transmitter
Remote Sensor Probes

DewTrack II MO
MOTOR OCTANE
Chilled Mirror
Transmitter for monitoring
Air Intake Moisture content and Barometric Pressure in CFR Engines

DewTrack II Duct Mount
Chilled Mirror
Dew/Frost Point Transmitter
HVAC Duct Mount

DewTrak-DE
Engine Test Cell/ Dyno Precision Hygrometer
- Dew/Frost Point in °C, °F, Gr/Lb, Gr/Kg
- RH%
- Temperature
- Barometric Pressure

Model 625
Portable, Battery Operated
Measures Air Temp/RH
Calculates dew/frost point or wet bulb temperature
Displays min/max values, hold function, power off mode
Integrated long-life humidity sensor for long lasting quality.

Model 635
Portable, Battery Operated
Measures up to 3 probes
Displays min/max values, hold function, power off mode
Dew/Frost Point, RH%, Temp,

6700 Series
Low-Cost Dew/Frost Point Transmitters for compressed air Monitoring
Loop Powered
With or Without Display

Model 645
Portable, Battery Operated
Meter - Logger
Temp/ RH/ Dew/Frost Point/ Enthalpy

Choice in Application Specific Systems
Calibration Equipment

**ELH**
*Precision Controlled Humidity/ Temperature Chamber*
For Calibration, Humidity Soak or Material Testing.
NIST Traceable Temperature, Humidity and Dew/Frost Point includes DewMaster Hygrometer
- Plug n’ Play
- Multiple Sizes
- Programmable Humidity/ Temp Cycles

**DEWGEN**
*Self-Sufficient Dew/Frost Point Generator*
For calibrating probes/ sensors
Can be coupled with the DewMaster

**RH-CAL**
*Self-Sufficient Humidity Calibration System for probes/ sensors using Chilled Mirror Technology*

**PORTABLE HUMIDITY CALIBRATOR**

**PORTABLE DEW/FROST POINT GENERATOR**

**Choice in Special Services**


NIST Traceable Calibrations at ETI Laboratory : Single Point & Multi-point

Field Calibration at your location, NIST Traceable, Single & Multi-point

Service repair of your instrumentation at ETI Factory

Field service repair of your instrumentation at your location

Special accuracy calibrations

Startup assistance/ product training

Calibration of hygrometers and sensors by other manufacturers: *Send in your GE Equipment!*

Special extended warranty or preventive maintenance programs

Special discounts for multiple calibrations: pay for 2, get the third CAL free

Rental equipment

Run your humidity tests at our facility lab
Innovative New Products

NEW X3 Chemical Resistant Chilled Mirror Sensor

The X3 Chemical Resistant Chilled Mirror Sensor exploits the latest advancements in optical sensing and is specifically designed for demanding Process and Laboratory applications. It also offers the advantages of low dew/frost point detection and rapid response.

FEATURES:

New chemically resistant sensor housing and optics eliminate sensor failures when working in aggressive chemical background gases.

Chamber design and high efficiency heat exchanger improve measurement range capability.

Reduce your maintenance budget with a long life and easy access sensor.

New compact sample chamber speeds up sample sweeping resulting in rapid dry-down time after exposure to high moisture levels. This results in more up-time in your lab or process.

Super-Fast reaction time in detecting upset conditions from dry atmospheres can improve product yields and eliminate process down-times.

Flip Top Optics

Easy to Clean the Optics
NEW HP125 Multi-Sense Humidity Probe
Relative Humidity – Temperature – Dew/Frost Point – Pressure – Barometric Pressure

Combine Probe with Display Control Module:
- 4-20 mA outputs
- RS-232 Serial Interface
- (2) Alarm Relays
- 24 VDC Powered

Use Probe stand-alone:
- Analog Voltage Outputs
- RS-232 Serial Interface
- 24 VDC Powered

NEW SENTRY Compressed Air System Alarm

The SENTRY is designed to detect low pressure or high dew/frost point conditions within compressed air or inert gas systems. It consists of a display control module and a SMART, Multi-Sense Probe. The SENTRY system continuously monitors both pressure and dew/frost point and provides a warning system to alert an operator should there be a pressure loss or dryer failure. For use at the source or point of use throughout your plant.

SENTRY 85: strobe light and 85dB Audible Alarms
SENTRY 100: strobe light and 100dB Audible Alarms
Support Worksheet

Please help us guide you toward the proper product/service for your application by completing the form below. You can call us with the information, email it to (Richard.Nyce@edgetechinstruments.com), or fax a copy to us.

<table>
<thead>
<tr>
<th>NAME</th>
<th>EMAIL</th>
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1. Measurement desired? Dew/Frost Point □ RH □ PPM □ Temp □ Press □ O₂ □
2. What is the target D/F P, RH, moisture, oxygen concentration? _______
3. What is the background gas? __________
4. What are the temperature & pressure of the sample gas? ______ ______
5. What are the operating area temperature/ environmental conditions? ______
6. Indoor or outdoor Installation? ________________________
7. Do you need to use a remote sensor probe or can the sensor be located with the analyzer? _________________
8. Sampling method? Positive Pressure □ Diffusion □ Vacuum Pump □
9. Do you require a local digital display? __________
10. What type of interface is required? Check all that apply
    - RS-232 Serial Port □ Relay Contacts Output □
    - 4-20 mA □ Voltage Analog Output □
    - Data Acquisition Required □ (Data Logging to PC) □
11. On-site, field NIST traceable calibration □ or send back to Edgetech Instruments?
12. Customized system to meet your needs (please call us)
13. Is your application: Process Monitoring □ Process Control □ Laboratory □
    - Compressed Air/ Drier Efficiency □ OEM □ Calibration Lab □

Specific product that you are interested in? ____________________________

Other, describe: