

EdgeTech Explosion Proof Sensor •
Class I, Division I, Groups C&D •
Long Term Reliability •
High Accuracy Dew Point •

Description:

The EdgeTech Explosion Proof Sensor housing supports dew point measurement in Class I, Division I, Groups C&D hazardous environments. This applies high accuracy ($\pm 0.2^{\circ}\text{C}$), long term reliability and NIST traceable dew point measurements to applications previously served by technology prone to drift. Power to the chilled mirror sensor is supplied via a remote cable from the controller, enabling the sensor to be mounted up to 250 feet. Although not agency certified, the housing consists of agency certified components and is assembled according to manufacturers' instructions. If the agency certification of the complete system is required, EdgeTech will work with the customer on the specific application.

Application:

The EdgeTech Explosion Proof Sensor provides highly accurate dew point measurements in hostile environments.

Examples of applications include:

- Refineries: Dry gas blanket to prevent chemical reactions with moisture
- Munitions Facilities: High accuracy moisture control for material stability
- Process Control: Humidity measurement where flammable solvents may be present, such as pharmaceutical processing or manufacturing photographic film
- Heat Treating: Moisture control of hydrogen in annealing/sintering furnaces

User Benefits:

- Dew point measurements in hazardous environments
- Reliable, field proven EdgeTech sensor technology
- Drift free chilled mirror avoids frequent, expensive sensor replacements in hostile environments that are difficult to access.

EDGE TECH EXPLOSION PROOF SENSOR HOUSING

