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Edgetech Instruments' DPM-99 is the Drift Free Alternative Dew Point Monitor and Alarm for Compliance with the NFPA 99 Level 1 and Level 2 Medical Air Standard

NFPA 99, a standard issued by the National Fire Protection Agency, is the code used to design compressed air systems for medical air in domestic hospitals and healthcare facilities. In these facilities there are two types of medical air systems, Level 1 and Level 2, defined by the standard as:

Level 1 Medical Piped Gas and Vacuum Systems. Systems serving occupancies where interruption of the piped medical gas and vacuum system would place patients in imminent danger of morbidity or mortality.

Level 2 Medical Piped Gas and Vacuum Systems. Systems serving occupancies where interruption of the piped medical gas and vacuum system would place patients at manageable risk of morbidity or mortality.

Further, the NFPA 99 standard states:

Dew point shall be monitored and shall activate a local alarm and all master alarms when the dew point at system pressure exceeds +4°C (+39°F).

Compliance to the standard is not only important to protect expensive equipment such as ventilators and respirators but most importantly to protect the patient.

The Edgetech Instruments DPM-99 is a complete, continuous medical air dew point monitoring and alarm system consisting of a chilled mirror hygrometer with LED display plus audible and visual alarm functions, contained in a NEMA-12 enclosure. Using a primary method dew point sensor, it is the drift free alternative meeting Level 1 and Level 2 requirements of the NFPA 99 standard for Medical Air. This specifically designed monitor exceeds the requirements set forth by the NFPA and was a collaboration with Airvac Technical Services who are certified by P.I.P.E. as medical gas inspectors.

Other types of dew point sensors, due to inherent drift, require recalibration at regular intervals to remain within their accuracy specifications. The chilled mirror dew point sensor of the DPM-99 is a primary method, drift free device, with accuracy traceable to NIST. Its Automatic Balance Cycle keeps the sensor's operation in top condition without the need for regular maintenance or periodic calibration. This feature gives the user peace of mind and greatly reduces maintenance costs.

Safety is the foundation of the Edgetech Instruments DPM-99 Medical Gas Dew Point Monitor. It features very high accuracy and sensitivity, fast response, failsafe alarm functions and analog outputs. Its ruggedized metal enclosure protects against electrical interference and environmental shock. An uninterruptable backup power supply is optionally available.

Edgetech Instruments designs and manufacturers accurate and reliable absolute humidity hygrometers, relative humidity transmitters, humidity probes, moisture and dew point analyzers, relative humidity calibrators, dew point generators and oxygen measurement instrumentation. Edgetech Instruments products are manufactured, calibrated and serviced to the highest industry standards in a modern, ISO 17025 accredited and ISO 9001 certified facility located in Hudson, Massachusetts. All certifications and calibrations are traceable to NIST.