

GE Sensing

Applications

- Carbon dioxide measurement to ensure Indoor Air Quality through energy efficient Demand Control Ventilation
- Relative humidity and temperature sensors and transmitters for wall, duct and outside air mountings
- Thermistor assemblies for liquid level sensing and thermistors in thermostats and HVAC units
- Differential pressure transmitters and pressure sensors for filter, fan and Variable Air Volume installations
- Room pressure in magnetic resonance imaging suites and clean rooms
- Water, water-glycol, steam and energy flowmeters throughout a building or campus
- Smoke detectors for ducts
- Dew point sensors to prevent condensation

Single Source for Proven Sensing Solutions

With energy prices constantly climbing, green building initiatives (including LEED and EPBD) are not just a good idea, they are vital for the efficient use of your energy resources.

Indoor Air Quality and comfort have positive effects on worker productivity, reducing sick time and improving morale.

GE Sensing designs and manufactures sensors, sub-assemblies and instruments that provide equipment manufacturers, contractors and end-users the accurate and reliable measurements necessary to implement a sensible HVACR/BAS solution.

Sensing Solutions for the HVACR/BAS Market

Druck, General Eastern, NovaSensor, Panametrics, Telaire and Thermometrics have joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.



GE Sensing

Carbon Dioxide

Telaire CO₂ sensors are ideal for driving a Demand Controlled Ventilation strategy based on actual occupancy. They reduce over-ventilation, save energy and improve air quality.

The sensors are self-calibrating and maintenance free. Wall, duct and OEM packages are available.



Temperature

When you think comfort, you think temperature. GE Sensing has the technology and experience to help your customers enjoy the highest level of comfort.

Thermometrics thermistors and probes can solve your HVAC sensing needs, in both dry and wet applications.



Humidity

GE Sensing has a full range of HVAC humidity sensors and transmitters, available in wall, outside air or duct configurations.

HumiTrac™ represents the next generation of relative humidity transmitters. Field replaceable, NIST-traceable sensors eliminate the need for costly factory calibration.



The Protimeter HygroTrac™ is a simple, cost-effective system for monitoring building environmental conditions remotely. Its wireless sensors measure and send relative humidity, temperature and moisture data to an acquisition gateway, which is connected to secure web server accessible via the internet.



Flow

Panametrics ultrasonic transit-time flowmeters can be installed without process shutdown. Temperature inputs make these clamp-on meters ideal for energy flow applications.

Dedicated and portable meters are available for water and water-glycol applications, as well as for steam.



Differential Pressure

General Eastern Modus and Druck differential pressure transmitters measure low pressures and feature low power consumption with a variety of analog signal outputs.

An excellent choice for HVAC applications, these transmitters monitor filter differential pressures, fan static pressures and air handling systems.



Pressure

NovaSensor OEM pressure sensors and sub-assemblies use constant current excitation to produce a voltage output linearly proportional to the input pressure. The user can provide standard signal conditioning circuitry to amplify the 100 mV output signal.

These sensors are ideal for variable air volume applications.



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