



GENERAL MONITORS
Protection for life.

HIGH TEMPERATURE REMOTE GAS CALIBRATOR [RGC-HT]



Features

- Easy to install
- Easier calibration of remotely located sensors
- Checks integrity of the gas sensor diffusion path
- Calibrates and detects gas up to 45 mph and 200°C

Benefits

- No electrical wiring or connections
- Easy to calibrate sensor in remote locations
- Easy to test the integrity of the sensor
- Prevents shutdowns of equipment

Description

To verify the proper operation of a combustible gas sensor, it is necessary to periodically apply a gas of known concentration to the sensor. This is usually done manually at the site with gas supplied from a small lecture bottle. As the sensor reacts to the calibration gas, adjustments are made to the monitoring system to bring its calibration into agreement with the known concentration of the calibration gas.

At times, sensors are mounted in inaccessible locations, requiring expensive catwalks or scaffolding to reach them. The High Temp Remote Gas Calibrator (RGC-HT) allows the calibration gas to be applied to the catalytic bead sensor from easily accessible locations.

The RGC-HT is used for blocking ambient air and re-directing methane or other light hydrocarbon gases to the catalytic bead sensor for calibration or testing sensor accuracy in various environments. The RGC-HT tests or calibrates the General Monitors Catalytic Bead sensor with 50% LEL methane or other light hydrocarbon gas. The unit is capable of calibrating and detecting gases in various wind conditions (up to 45 mph) and temperatures (up to 200°C when used with our high temperature sensor).

Applications

- Hard-to-reach Sensor Locations
- Compressor Stations
- Crude Oil Pumping Stations
- Drilling Rigs
- Gas Turbines
- Petrochemical Plants
- Refineries



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System Specifications

Warranty: Two years
Part Number: 80161-1

Environmental Specifications

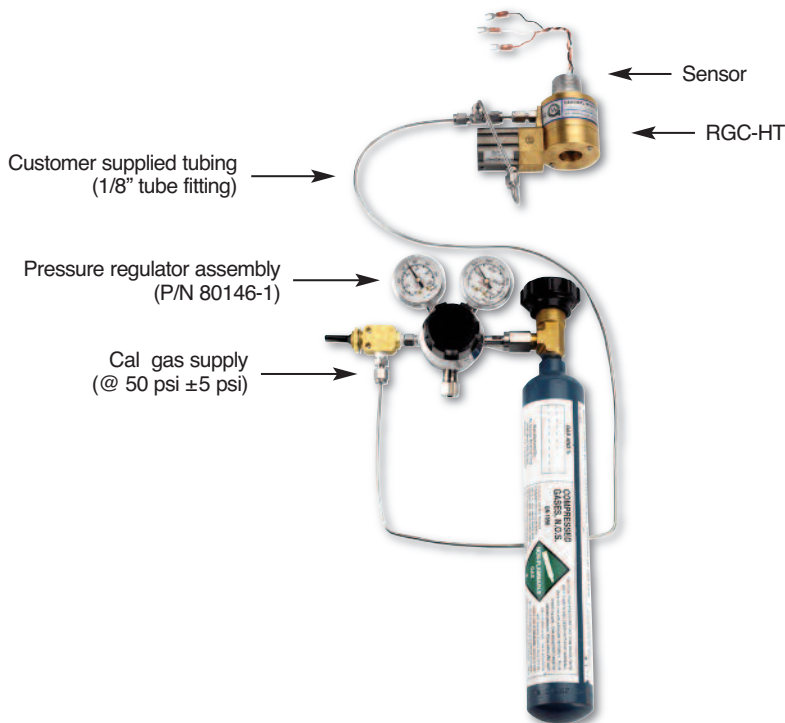
Temperature Range: -15°F to 400°F (-26°C to 204°C) – when used with high temperature sensor and high temperature housing

Humidity: 5-95%, non-condensing

Air Velocity: 45 mph maximum

Response Time: T50 <20 seconds, T90 <50 seconds

Outlet Pressure Setting: 50 psi ±5 psi



Specifications subject to change without notice.

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