

# Monitoring Dowtherm Leaks

Dowtherm is a heat transfer fluid for high temperature processes..It is composed of a eutectic mixture of two very stable compounds, biphenyl (C<sub>12</sub>H<sub>10</sub>) and diphenyl oxide (C<sub>12</sub>H<sub>10</sub>O). Normal operating temperatures for the fluid are in the 315-600 °F range. Applications include the Pharmaceutical and Chemical Processing industries.

**Continuous monitoring is essential for process or emission control.**

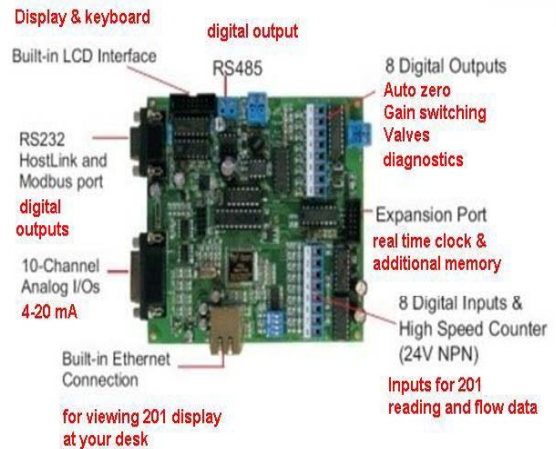
The 201C can be left unattended with calibration gas for long periods of time. The analyzer will automatically recalibrate itself every 24 hours. It will report any problems with the analyzer such as: lamp off, HV off, low calibration, high range alarm, etc. An optional data storage module is available which will store > 1 year of data. The data is stored in comma delimited ASCII format and can be imported in EXCEL. The 201C can be connected directly to the internet and a program (see display on the bottom right) is available that will operate on a PC for remote control of the 201.

### Specifications-

- Analysis time-Continuous**
- Detection Limit: <0.10 ppm**
- Sampling:** requires heated sample lines and a heated PID
- Programmable by Customer**
- Outputs:** RS232, RS485, 0-1 VDC, optional 4-20 mA
- Detector: PID -heated**
- Enclosures:** NEMA 4 wall or 19" rack mount
- ADC Resolution-** 16 bit
- Multipoint System Available:** heated- 6 point, 12 point ....



Model 201C Wall Mount



201 C PLC Controller

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Application Note #19