

ECM Processanalytic

Equipment for Continuous Monitoring of Process

An ECM Group Company

Smart Solutions for Gas, Liquid and Particle Monitoring in Industrial Process and for Environmental Applications

Custom CEMS and Analyzer Bundles

Electrically Heated Instrument Tubing Bundles



Your CEMS and Analyzer sample lines will be cost-effective and reliable if electrically heated bundles are used.

Our CEMS and Analyzer Bundles incorporate Thermon heat tracing cables. The flexible manufacturing process can include auxiliary conductors, non-heated tubes, factory installed temperature sensors, a variety of heat tracing options, special markings and identification as required.

Tube Materials and Finishes

- 316SS, 304SS, welded or seamless, Monel, titanium, Alloy 825, and Alloy 20 are readily available.
- Optional electro-polished (EP) finishes and chemical passivation (CP) finishes, are also available.
- Double containment tubing and/or multiple tube materials can be provided in a common bundle.
- Fluoropolymer tubing (including PFA, PTFE, and FEP), nylon, polyethylene and composite filament-wound tubing is ready available.

Electrically Heated TubeTrace®

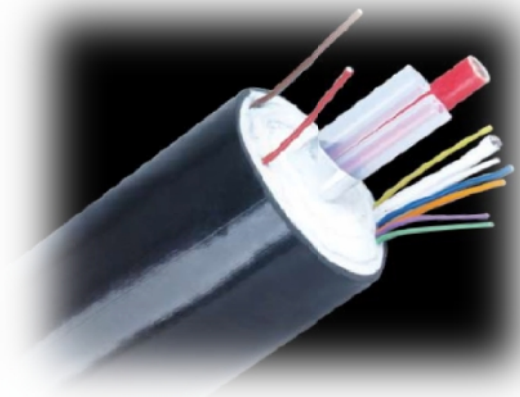
- Thermon electrical heat tracing is approved for hazardous (classified) locations, including options for Zone 1 (IEC).
- SX self-regulating and HPTTM power-limiting heat tracing can be "cut-to-length" in the field maintaining temperatures up to 177°C. (with additional thermal insulation even 189°C)

Embedded Temperature Sensors

To accurately sense temperatures in one or more locations, factory installed temperature sensors (RTD, thermocouple, or thermal resistor) with insulated leads rated 260°C are available.

Control and Monitoring

To accurately control temperatures for sensitive analytical applications, consider Thermon's TC control and monitoring systems. Utilizing 3-wire RTD temperature sensors, TC-systems are available with single-point or multi-circuit configurations, that provide monitoring for temperature and electrical current, including ground leakage protection as required by code.



Contact

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