

Custom CEMS and Analyzer Bundles

TubeTrace® Heated Instrument Tubing and Non-Heated Tubing Bundles

Your CEMS and Analyzer sample lines will be cost-effective and reliable with Thermon. Thermon's 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

- 316 and 304 stainless, welded or seamless, Monel, titanium, Alloy 825, and Alloy 20 are readily available.
- Optional Electropolished (EP) finishes and chemical passivation (CP), (including SilcoSteel, Siltek/Sulfinert and SilcoNert coatings)¹ are also available.
- Double containment tubing and/or multiple tube materials can be provided in a common bundle.
- Fluoropolymer tubing (including PFA, TFE, and FEP), nylon, polyethylene, composite filament-wound tubing and most any other tubing material is also available.

Electrically Heated TubeTrace®

- Thermon electrical heat tracing is approved for hazardous (classified) locations, including options for Zone 1 (IEC).
- SX self-regulating and HPT™ power-limiting heat tracing can be "cut-to-length" in the field maintaining temperatures up to 177°C.
- Freeze protect high temperature steam samples up to 593°C with cut-to-length TubeTrace® bundles.

Embedded Temperature Sensors

To accurately sense temperatures in one or more locations, factory installed temperature sensors (RTD, Thermocouple, or Thermistor) 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.

Non-insulated and non-heated tubing bundles are available where process samples are not temperature sensitive. For non-heated lines, consider ThermoTube™ pre-insulated tubing or NI non-insulated instrument tubing bundles.

Note:

1. Silcosteel, Siltek and Sulfinert are tradenames of Restek Performance Coatings. SilcoNert is a tradename of SilcoTek.



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