

Thermatel TG1 Thermal Dispersion Switch

DESCRIPTION

Thermatel TG1 is a two-wire, intrinsically safe switch for liquid or gas flow, level, or interface detection using the proven thermal dispersion technology.

The switch consists of a DIN rail mounted electronics unit and a remote sensor with separation of up to 1650 feet (500 meters)

Applications for the TG1 include low flow detection, high temperature operation, and high viscosity and coating applications

FEATURES

ELECTRONICS

- Two-wire intrinsically safe design with integral barrier
- LED indication provides continuous indication of flow rate relative to switch point
- 24 VDC input power
- Output:
 - 2 A SPDT alarm relay with goldflash contacts
- mA output signal for diagnostic fault indication per NAMUR NE43
- High/Low fail safe selection
- Adjustable set point and time delay





FEATURES

SENSOR

- Standard twin tip sensor:
 - Corrosive resistant materials
 - Pressures to 3000 psig (205 bar)
- Standard spherical tip sensor:
 - General purpose service
 - Stainless steel only
- High temperature sensor:
 - Temperatures up to 850° F (450° C)
 - Pressures up to 6000 psi (413 bar)
- Low flow body with 1/4" and 1/2" connections

AGENCY APPROVALS

AGENCY

APPROVAL CLASSES

CENELEC

EEX IA II B T5, Intrinsically Safe



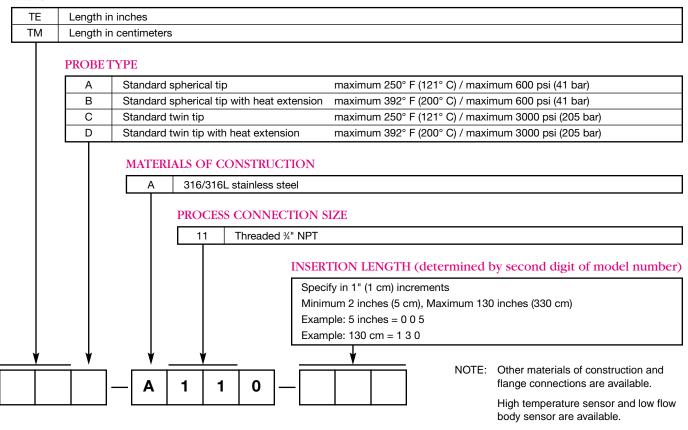


ELECTRONICS AND SENSOR HOUSING

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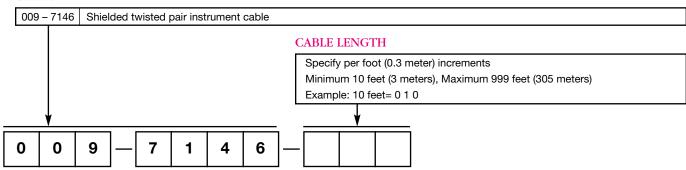
SENSOR

BASIC



CONNECTING CABLE

CABLE





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