

Averaging flex cable temperature probe



The TS-FC is a multi-sensor instrument that returns an average temperature measurement from multiple elements over several feet of flexible cable. The case provides a sturdy, flush mounting enclosure.

- ◆ Completely flexible
- ◆ Conforms to any duct size
- ◆ Easy installation

Technical Data

Wire: 24 AWG, FT6 plenum cable

Cable length: see ordering data

Sensor type: Pt100 RTD, Pt1000 RTD, 10K Thermistor

Accuracy:

- Pt100: +/- 0.3°C, DIN EN 60751 (according to IEC 751)
- Pt1000: +/- 0.3°C, DIN EN 60751 (according to IEC 751)
- 10K: +/-0.2°C (0...70°C), NTC standard

Number of elements:

- 24 feet cable length: 9 elements
- 20 feet cable length: 4 elements

Operating temperature: 0...60°C

Enclosure: moulded case with hinged cover and captive screw, not weatherproof

Termination connection type: tails c/w bare ends or 2 wire temperature transmitter

Available with 2 wire temperature transmitter mounted in enclosure for Pt100 only

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Industry Usage

HVAC, Building automation, Energy management, Waste management

Ordering Data

TS-FC- (cable length)-(# of sensors)-(sensor type)-(sensor value)
12 = 12 feet 4 or 9 R = RTD 100 = 100 ohms
1000 = 1000 ohms
T = Thermistor 10K = 10 K ohms

ie. TS-FC-12-4-R-1000: Averaging flex cable sensor, 12 feet long with 4 Pt 1000 sensors

TT-FC-(cable length)- (# of sensors)-R-100/(transmitter temp range)
12 = 12 feet 4 or 9

ie. TT-FC-24-9-R-100/-50C50C: Averaging flex cable sensor, 24 feet long with 9 Pt 100 sensors and a temperature transmitter with -50...50°C range