FTT-FIT-FGG-FHH Series
Temperature sensor

Ref : 2154
Rev : C

DESCRIPTION

This model of temperature thermocouple sensor is characterized by its flexibility, ease of implementation and low price. It is ideal for surface temperature measurements.
Available in version with dielectric tests.
For resistance at least 1 KV: these are specific versions dedicated to motors or batteries.
For measurements on electric vehicles: these tests are carried out by Mesurex in our own laboratory equipped for all these measurements, in non-magnetic type T version.

MESUREX is a sensor manufacturer. We can adapt most sensors to your needs. Please contact us.

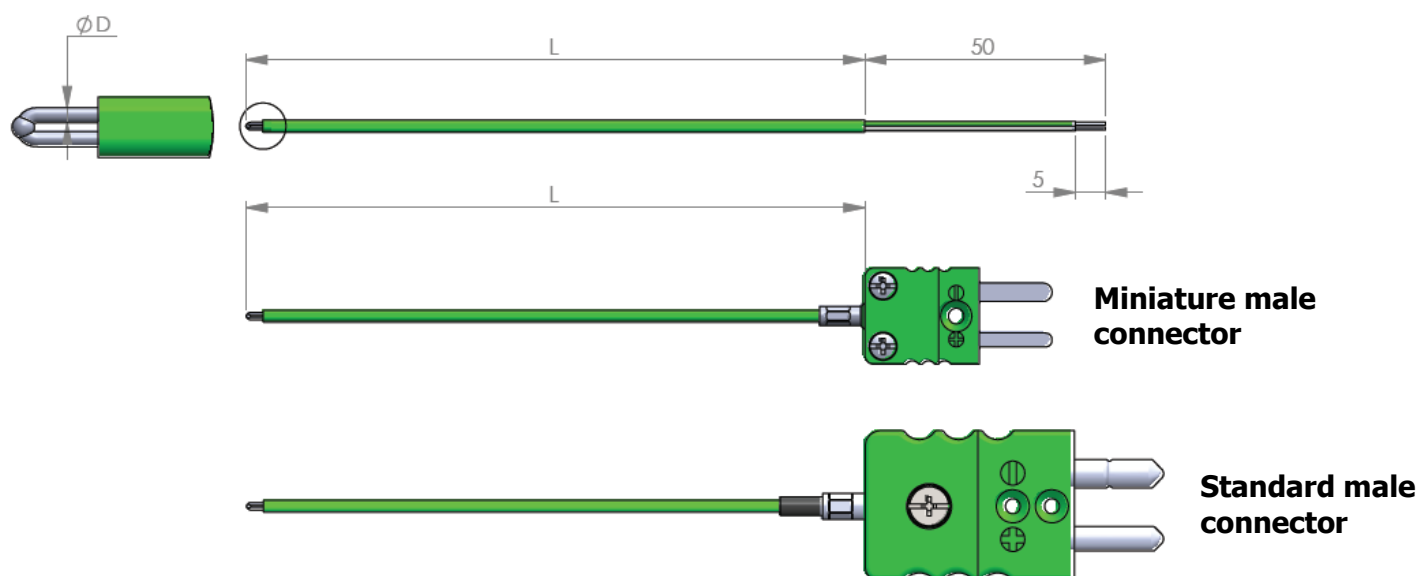| K Green	J Black	T Brown	N Pink	E Purple	R/S Orange	B Grey

TECHNICAL CHARACTERISTICS
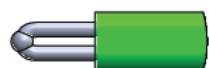
PARAMETERS	VALUES
Type	K, J, T, E, N, S
Nature of insulation	Teflon, Glass silk or ceramic fiber [(1)]
Temperature resistance	Teflon 250°C / Glass silk 350°C (500°C peak) / Ceramic fiber 1000°C
Precision	Class 1 according to NF EN 60584-1 standard (Class 3 for temperature < -40°C)
Conductor diameter	0,1 / 0,2 / 0,5 / 0,8 mm
Connections	Bare threads as standard
Miniature connector, Optional standard connector

(1) Imposes a conductor diameter of 0.8 mm and is only available for type K thermocouple

DIMENSIONS

Miniature male connector

Standard male connector

HOT SPOT

Bare wire (standard)

Insulated (Teflon only)

Note: In the case of a bare wire hot spot, the thermocouple should be used in a dry, non-conductive environment.

CABLING

EXTENSION THERMOCOUPLE COLOUR IEC584-3		
K	Green	+ Green
		- White
J	Black	+ Black
		- White
T	Brown	+ Brown
		- White
E	Purple	+ Purple
		- White
N	Pink	+ Pink
		- White
S	Orange	+ Orange
		- White

ORDER INFORMATION

F _ D X L _

Type of insulation:
TT: Teflon apparent hot spot (250°C)
IT: Teflon insulated hot spot (250°C)
GG: Glass silk (350°C)
HH: Ceramic fiber (1000°C) [1]

Conductors (D):
10100 : Single-strand Ø0.1 mm
20100 : Single-strand Ø0.2 mm
50100 : Single-strand Ø0.5 mm
80100 : Single-strand Ø0.8 mm
50F : Multi-strands 7x Ø0.2mm

Thermocouple type:
K / J / T / E / N / S

Connector:
Empty: bare wires (standard)
MMX : miniature male
FMX: miniature female
MSX : standard male
FSX : standard female

X : Type thermocouple

Length (L):
< 1 meter: in mm
≥ 1 meter: in m (**M**)

(1) Imposes a conductor diameter of 0.8 mm and is only available for type K thermocouple.

CONTACT