

IM-TS

Temperature Sensors

Inel-mar Temperature Sensors are based on thin film technology. Different and tailor made construction meets very specific demands in marine, industry and other fields of application where accurate and reliable temperature measurement are requested. Excellent long term stability and accuracy are occurred due to using carefully chosen and tested every part of the sensor.

Produced as:

- Pt100 single or double (Pt500 and Pt1000 available on request)
- 2, 3 or 4 wires
- Temperature ranges from -50°C up to 300°C following class A or B
- Protection tubes AISI 316L
- Connection heads in aluminium, stainless steel AISI 316, stainless steel with protection hose connection, DIN connector
- Protection IP 54 to IP 68
- Transmitter 4-20mA can be added to each sensor, incorporated or separately delivered

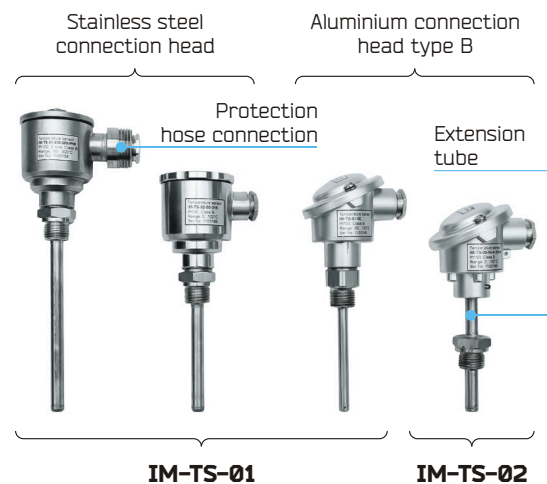
IM-TS-01 and IM-TS-02

General purpose temperature sensors, resistant to vibrations, different lengths, heavy duty applications.

Type IM-TS-02 with extension tube which protects connection head or temperature transmitter from overheating.

Temperature ranges -50°C up to 150°C as basic range, then up to 200°C or 300°C.

With SS 316 connection heads suitable for open deck (IP 66).
Optional connection for protection hose.
Can be installed in hazardous area (simple apparatus).



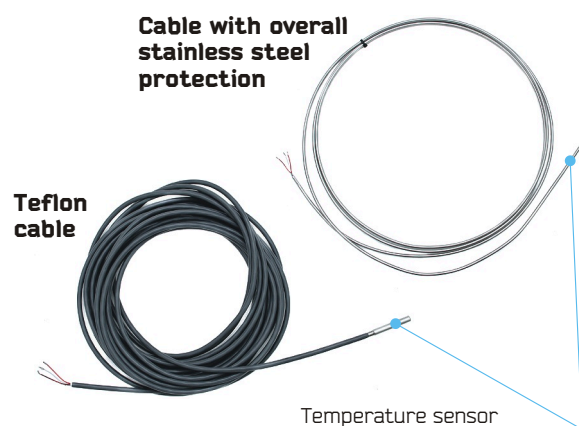
IM-TS-03

Temperature sensor on cable with option of overall stainless steel protection.

Silicone, Teflon or Fiberglass cables for different temperature ranges.

Basic temperature range -50°C to 150°C, but as option up to 300°C with fiberglass cable.

Different accessories (process connections, junction boxes, cable glands).



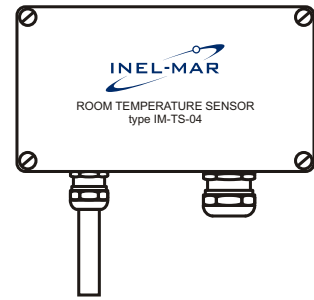
IM-TS-04

Room temperature sensor, suitable for refrigerating room temperature monitoring.

Temperature range -50°C to 80°C.

Single (1xPt100) or double (2xPt100) temperature sensor.

Transmitter 4-20mA can be incorporated.



Ordering Code

IM-TS-01A-1-150-Tx

Basic types

- 01 Without extension
- 02 With extension

Connection heads*

- A Aluminium type B
- B Stainless steel IP 56
- C Stainless steel with connection for protection hose
- D DIN connector

*Connection heads can be used on environment temperatures up to 70° and with transmitter (4-20mA) up to 60°C

Put "Tx" only in case of 4-20mA output

Lengths (mm)
050; 080; 100; 150; 200; 250
(or specify requested length)

Temperature ranges
(class B as standard, class A on request)

- 1 -50°C ... 150°C
- 2 -50°C ... 200°C
- 3 -50°C ... 300°C
- 4 Other range on request

IM-TS-03-A-200-1

Cable type*

- A Teflon (200°C max.)
- B Teflon cable with overall stainless steel AISI 316L protection
- C Silicone cable (180°C max.)
- D PVC (100°C max.)
- E Fiberglass (for temp. range up to 300°C)

Temperature range

- 1 -50°C ... 150°C
- 2 -50°C ... 200°C
- 3 -50°C ... 300°C

Cable length (mm)
200; 400; 600; 800; 1000
(or specify requested length)

IM-TS-04-1-Tx

Sensor element*

- 1 Single (1xPt100)
- 2 Double (2xPt100)

Put "Tx" only in case of 4-20mA output



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