

## APPLICATIONS

High Temperature Applications:  
- Temperature measurement in furnaces

## FEATURES

Reliable and accurate measurement with thermoresistance (RTD) element. Class B / Class A / Class 1/3DIN

Reliable and accurate measurement with thermocouple element

Tube penetration probe

Protection sheath material AISI 304 / AISI316 / AISI310

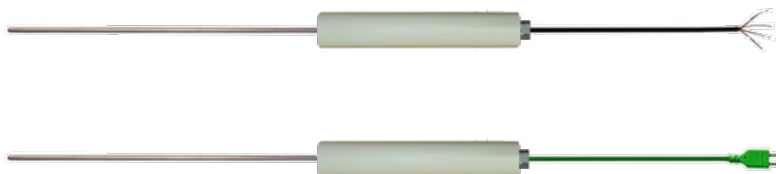
Wide range of diameter

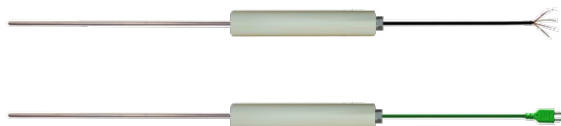
TEFLON hand held

Wide range of working temperature range:  
-50C to 600C for thermoresistance (RTD)  
-200C to 1100C for thermocouple (TYPE K)

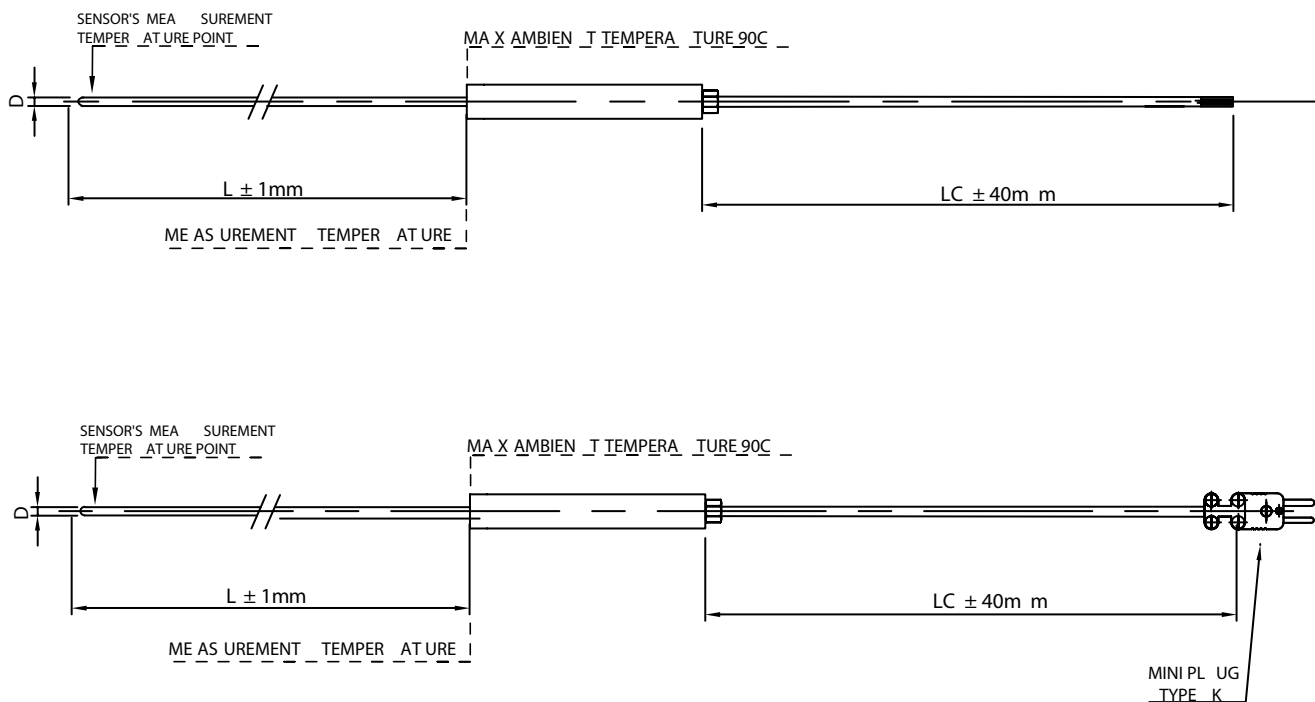
Wide range of cables:  
- PVC / PVC (-10C to 105C)  
- PTFE / PTFE (-10C to 260C)  
- Glass Fiber / Glass Fiber / Screen (0C to 400C)

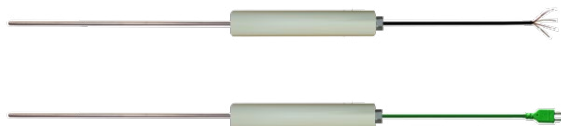
Max ambient temperature 90C





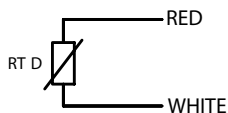
### HH5: Hand held Temperature sensor with TEFLON hand held / for high temperature applications



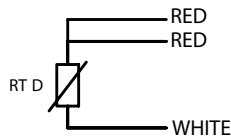


Cable: Thermoresistance, Color code according to DIN EN 60751  
Thermocouple Color code according to EN 60584-1 / MINI Plug TYPE K

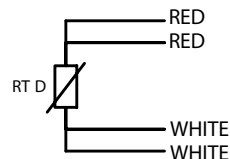
1 x RTD 2 wires



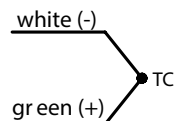
1 x RTD 3 wires



1 x RTD 4 wires

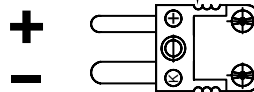


1xK (1xNiCr-NiAl)



Mini Plug TYPE K

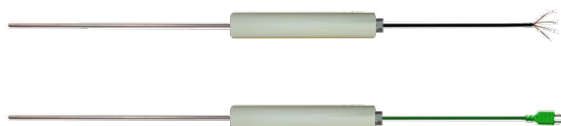
PLUG  
MINIATURE



HH5

ORDER CODE

ANALYSIS LTD



## ORDER CODE FOR HH5

## SENSOR ELEMENT: THERMORESISTANCE (RTD) OR THERMOCOUPLE

|                                        |    |  |  |  |  |  |  |  |  |
|----------------------------------------|----|--|--|--|--|--|--|--|--|
| 1xPT100 - 2 Wires DIN EN 60751         | 1  |  |  |  |  |  |  |  |  |
| 1xPT100 - 3 Wires DIN EN 60751         | 2  |  |  |  |  |  |  |  |  |
| 1xPT100 - 4 Wires DIN EN 60751         | 3  |  |  |  |  |  |  |  |  |
| 1xPT1000 - 2 Wires DIN EN 60751        | 6  |  |  |  |  |  |  |  |  |
| 1xPT1000 - 3 Wires DIN EN 60751        | 7  |  |  |  |  |  |  |  |  |
| 1xPT1000 - 4 Wires DIN EN 60751        | 8  |  |  |  |  |  |  |  |  |
| 1xTYPE K (NiCr-NiAl) Class 1 EN60584-1 | 1K |  |  |  |  |  |  |  |  |

## PROTECTION SHEATH MATERIAL

|                                             |     |  |  |  |  |  |  |  |  |
|---------------------------------------------|-----|--|--|--|--|--|--|--|--|
| AISI 304 / for thermoresistance (RTD)       | 4   |  |  |  |  |  |  |  |  |
| AISI 316 / for thermoresistance (RTD)       | 5   |  |  |  |  |  |  |  |  |
| AISI 310 / for thermocouple (TYPE K)        | 10  |  |  |  |  |  |  |  |  |
| OTHER PROTECTION SHEATH MATERIAL ON REQUEST | XXX |  |  |  |  |  |  |  |  |

## TEMPERATURE RANGE

|                                          |   |  |  |  |  |  |  |  |  |
|------------------------------------------|---|--|--|--|--|--|--|--|--|
| -50C to 600C for thermoresistance (RTD)  | L |  |  |  |  |  |  |  |  |
| -200C to 1100C for thermocouple (TYPE K) | H |  |  |  |  |  |  |  |  |

## RTD CLASS [For thermoresistance elements]

|              |    |  |  |  |  |  |  |  |  |
|--------------|----|--|--|--|--|--|--|--|--|
| Class B      | B  |  |  |  |  |  |  |  |  |
| Class A      | A  |  |  |  |  |  |  |  |  |
| Class 1/3DIN | 13 |  |  |  |  |  |  |  |  |

## MINI PLUG TYPE K [For thermocouple elements]

|                          |   |  |  |  |  |  |  |  |  |
|--------------------------|---|--|--|--|--|--|--|--|--|
| WITH MINI PLUG TYPE K    | Y |  |  |  |  |  |  |  |  |
| WITHOUT MINI PLUG TYPE K | N |  |  |  |  |  |  |  |  |

## DIAMETER D[mm]

|                                 |     |  |  |  |  |  |  |  |  |
|---------------------------------|-----|--|--|--|--|--|--|--|--|
| 2.0mm                           | 2   |  |  |  |  |  |  |  |  |
| 3.0mm                           | 3   |  |  |  |  |  |  |  |  |
| 4.5mm                           | 4.5 |  |  |  |  |  |  |  |  |
| 6.0mm                           | 6   |  |  |  |  |  |  |  |  |
| OTHER DIAMETER D[mm] ON REQUEST | XXX |  |  |  |  |  |  |  |  |

## LENGTH L[mm ±1]

|                               |     |  |  |  |  |  |  |  |  |
|-------------------------------|-----|--|--|--|--|--|--|--|--|
| From 50mm to 500mm            |     |  |  |  |  |  |  |  |  |
| OTHER LENGTH L[mm] ON REQUEST | XXX |  |  |  |  |  |  |  |  |

## CABLE LENGTH LC[mm ±40]

|                                      |     |  |  |  |  |  |  |  |  |
|--------------------------------------|-----|--|--|--|--|--|--|--|--|
| From 500mm to 10.000mm               |     |  |  |  |  |  |  |  |  |
| OTHER CABLE LENGTH LC[mm] ON REQUEST | XXX |  |  |  |  |  |  |  |  |

## CABLE MATERIAL [For temperature sensors with cable]

|                                             |  |  |  |  |  |  |  |  |     |
|---------------------------------------------|--|--|--|--|--|--|--|--|-----|
| PVC/PVC (-10C to 105C)                      |  |  |  |  |  |  |  |  | PV  |
| PTFE/PTFE (-60C to 260C)                    |  |  |  |  |  |  |  |  | PT  |
| Glass Fiber/Glass Fiber/Screen (0C to 400C) |  |  |  |  |  |  |  |  | GR  |
| OTHER CABLE MATERIAL ON REQUEST             |  |  |  |  |  |  |  |  | XXX |

ORDERING EXAMPLE: HH5-1K-10-H-Y-6-300-2-PT

Delta Velestino, 375 00 Magnesia, Greece tel. 0030 2425024248

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