

Model HHT series

High Temperature Probes



Temperature measurement of slab (steel) surface

原材料钢板的表面温度检测

Model HHT series probes are high-durability temperature sensors designed to measure high-temperature surfaces.

HHT系列为可测量高温的表面温度传感器。最高可测量1100°C的表面温度。避免高温，钢管长度可以定制1m以上，请咨询。

Typical probes of HHT series 典型产品

Type K Model HHT-41K-10-TC1-ANP



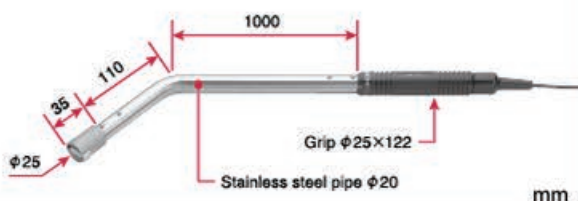
| Temp. range | Tolerance | Response time | Durability |
|-------------|------------------------------|---------------|------------|
| -50~800°C | ±3.8°C (at 500°C surface) | 4 s | ※ |

Type K Model HHT-51K-10-TC1-ANP



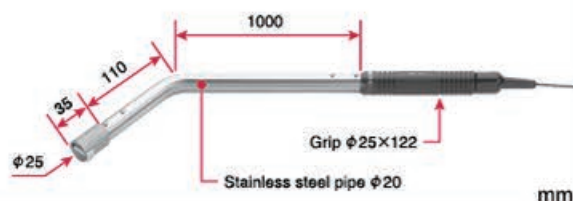
| Temp. range | Tolerance | Response time | Durability |
|-------------|------------------------------|---------------|------------|
| 300~1100°C | ±3.8°C (at 500°C surface) | 5 s | ※ |

Type K Model HHT-42K-10-TC1-ANP



| Temp. range | Tolerance | Response time | Durability |
|-------------|------------------------------|---------------|------------|
| -50~800°C | ±3.8°C (at 500°C surface) | 4 s | ※ |

Type K Model HHT-52K-10-TC1-ANP



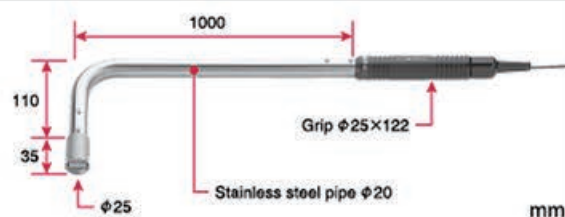
| Temp. range | Tolerance | Response time | Durability |
|-------------|------------------------------|---------------|------------|
| 300~1100°C | ±3.8°C (at 500°C surface) | 5 s | ※ |

Type K Model HHT-43K-10-TC1-ANP



| Temp. range | Tolerance | Response time | Durability |
|-------------|------------------------------|---------------|------------|
| -50~800°C | ±3.8°C (at 500°C surface) | 4 s | ※ |

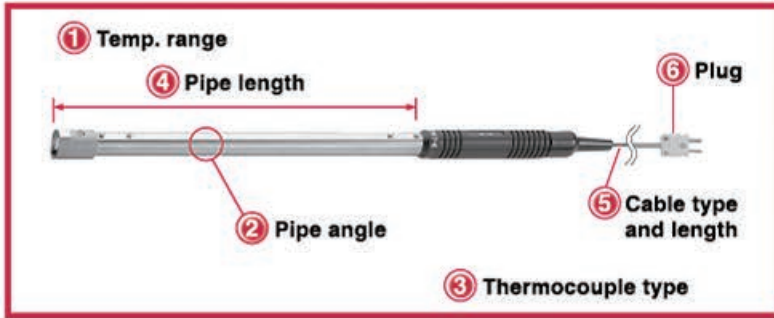
Type K Model HHT-53K-10-TC1-ANP



| Temp. range | Tolerance | Response time | Durability |
|-------------|------------------------------|---------------|------------|
| 300~1100°C | ±3.8°C (at 500°C surface) | 5 s | ※ |

※ Please refer to P29 for detail of durability.

How to order of HHT series 选型



HHT-51K-10-TC1-ANP



| | |
|--|---|
| ① Temp. range 温度范围 | 4 : -50~ 800℃ 5 : 300~1100℃ |
| ② Pipe angle 钢管形状 | 1 : Straight 2 : 45 degrees 3 : 90 degrees |
| ③ Thermocouple type 热电偶种类 | K : Chromel-Alumel |
| ④ Pipe length 钢管长度 | 05 : 500mm 10 : 1000mm |
| ⑤ Cable type and length 导线种类和长度 (See page 9) | TC1 Standard specifications : 1m The cable length can be specified each 0.5m. |
| ⑥ Plug 插头 (See page 8) | ANP (For AM-9***, HR-1*5*, AP-450, AR-650*) ASP (For HR-1*0*, AP-400) W (Without plug) |

② Pipe angle 钢管形状

| | | |
|---|------------|--|
| 1 | Straight | |
| 2 | 45 degrees | |
| 3 | 90 degrees | |

④ Pipe length 钢管长度

| | | |
|------------|--|------|
| | | (mm) |
| Straight | | |
| 45 degrees | | |
| 90 degrees | | |
| 05 | | 500 |
| 06 | | 600 |
| 07 | | 700 |
| 08 | | 800 |
| 09 | | 900 |
| 10 | | 1000 |

Specifications of HHT series 规格

| Model number | HHT-4* | HHT-5* |
|---------------|---------------------------------|--|
| Temp. range | -50~800℃ | 300~1100℃ |
| Tolerance | 0℃ ≤ t ≤ 333℃ | ±2.5℃ |
| | 333℃ < t ≤ 500℃ | ±(0.0075× t)℃ |
| | 500℃ < t ≤ 700℃ | ±(0.015× t)℃ |
| | 700℃ < t ≤ 800℃ | ±(0.02× t)℃ |
| Response time | 4s | 5s |
| Durability | 800℃: More than 60,000 contacts | 800℃: More than 60,000 contacts 900℃: More than 15,000 contacts 1000℃: More than 5,000 contacts 1100℃: More than 300 contacts |

※Please see website specifications of HHT series.

※Please contact us if the pipe length exceeds 1m.