

# Model **ST** series

## Flat Leaf Probes

Model ST series probes are multi-purpose temperature sensors featuring a flexible tape shape.

They can be glued to the surfaces of measurement targets for use in a range of applications. Specific components may be combined to customize products for the needs of a customer's specific application.



**SCANTEC** Industries NV  
Westkaai 7  
B-2170 Merksem-Antwerpen (België)

## Typical Probes of ST series

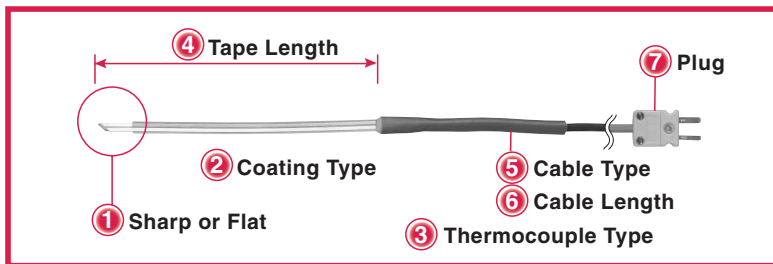
**Type K Model ST-11K-010-TS1-ANP**  
**Type E Model ST-11E-010-TS1-ANP**

Temp. Range	Accuracy	Response time	Durability
-50~210°C	±1.2°C (at 100°C)	2.0 s	S

**Type K Model ST-11K-010-0-ANP**  
**Type E Model ST-11E-010-0-ANP**

Temp. Range	Accuracy	Response time	Durability
-50~210°C	±1.2°C (at 100°C)	2.0 s	S

## How to order of ST series



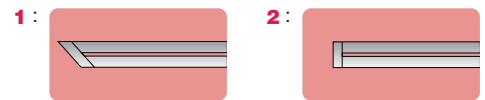
### ST-11K-008-TS1-ANP



<b>1 Sharp or Flat</b>	<b>1</b> : Sharp <b>2</b> : Flat
<b>2 Coating Type</b> (Max. Temp.)	<b>1</b> : Open (Teflon coating) <b>2</b> : All coating (Teflon coating) <b>3</b> : Open (Polyimide) <b>4</b> : All coating (Polyimide) *350°C if the tape length exceeds 150mm.
<b>3 Thermocouple Type</b>	<b>K</b> : Chromel-Alumel <b>E</b> : Chromel-Constantan
<b>4 Tape Length</b>	<b>003</b> : 30mm <b>005</b> : 50mm <b>008</b> : 80mm <b>010</b> : 100mm ..... <b>200</b> : 2000mm
<b>5 Cable Type</b> (See page 5)	<b>TS</b> : For ST-*1, ST-*2 <b>GW</b> : For ST-*3, ST-*4 <b>0</b> : Without Cable
<b>6 Cable Length</b>	<b>1</b> : 1m <b>1.5</b> : 1.5m <b>2</b> : 2m <b>2.5</b> : 2.5m ..... *No cable if the cable type is "0."
<b>7 Plug</b> (See page 4)	<b>ANP</b> : P plug <b>ASP</b> : S plug <b>W</b> : Without plug

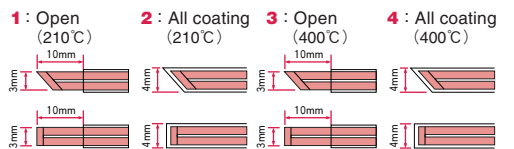
### 1 Sharp or Flat

You can choose Junction Form as below.



### 2 Coating Type

You can choose Coating Type as below.



Open part.....t=0.05  
Coating part...t=0.2

### 4 Tape Length

You can choose Tape Length as below.

003 : 30mm	020 : 200mm	045 : 450mm	090 : 900mm
005 : 50mm	025 : 250mm	050 : 500mm	100 : 1000mm
008 : 80mm	030 : 300mm	060 : 600mm	150 : 1500mm
010 : 100mm	035 : 350mm	070 : 700mm	200 : 2000mm
015 : 150mm	040 : 400mm	080 : 800mm	

## Specifications

Accuracy	Open    ±1.2°C (at 100°C) All Coating    ±1.4°C (at 100°C)
Response time	Open    2.0s All Coating    8.0s
Durability rank	S

## Attention

Where the probes are not glued or inserted, the operating temperature limits are as follows:

	ST-*1	ST-*2	ST-*3	ST-*4
Tape ≤ 150mm	200°C	180°C	200°C	200°C
Tape > 150mm	180°C	180°C	180°C	180°C



**SCANTEC** Industries NV  
Westkaai 7  
B-2170 Merksem-Antwerpen (België)