



# Smart CTA

## Model 7250

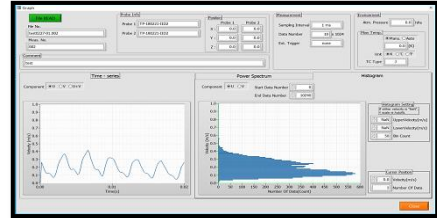
Professional and Compact Hot-Wire Anemometer with an Excellence of Analog Circuit !!



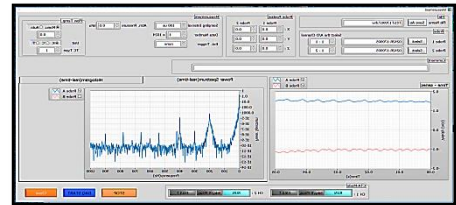
Smart CTA system

**<System Configuration Example>**

- Smart CTA Main Unit
- Probe
- Probe Support and Cable
- Interface (Expansion Chassis, A/D, DI, Thermocouple input module)
- PC
- Software



*<software example>  
time-series variation and velocity histogram (with an I-type probe)*



*<software example>  
time-series variation and frequency (with a X-type probe)*

**Features:**

- 2 channels of CTA integrated in one unit, extended up to 16 channels
- Compact and Easy to Use
- Frequency response max. 20 kHz
- Exclusive software supports from probe calibration to measurement
- Responsiveness optimization possible with integrated square wave generator

**Applications:**

- Airflow investigation in wind tunnel
- Investigation or measurement of airflow turbulence of fan-casings, buildings etc.
- Investigation on noise generated by airflow

**Specifications (Main Unit):**

<b>Method</b>	Constant Temperature Anemometry (CTA)	
<b>Bridge</b>	Channel Number	2
	Bridge Ratio	12:1
	Set Resistance (for probe)	4.5~45Ω
	Current Supply to Probe	< 350mA
<b>Feedback Circuit</b>	Output Voltage Range	0~10V DC
	Frequency Response	< 20kHz
<b>Operating Environment</b>	5~35°C 20~90%RH *w/o condensation	
<b>Power Supply</b>	AC100/120/220/240V 50/60Hz (set prior to delivery)	
<b>Dimension</b>	320x88x280mm	
<b>Weight</b>	approx. 3.8kg	

Smart CTA main unit



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Information, data and specifications in this brochure are subject to change without notice.



**KANOMAX**  
The Ultimate Measurements

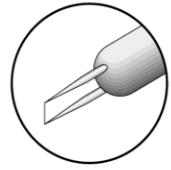
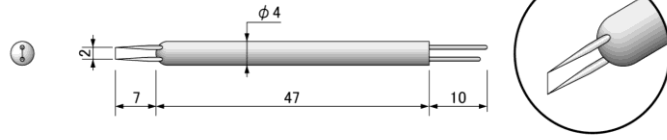


- ※ dimension is in "mm"
- ※ one set of each type contains 6 probes
- ※ no tester to be used for probe resistance measurement, which causes breakdown
- ※ please inquire for request on other prong length or dimension

## Probes

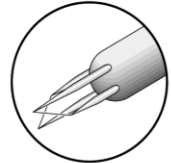
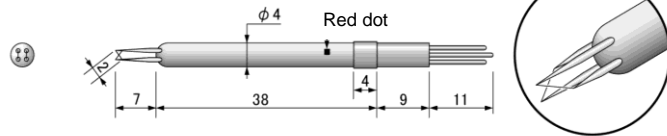
### General Purpose Single Probe

- 0251R-T5 ( $\phi$  5 $\mu$ m Tungsten)
- 0251R-PI5 ( $\phi$  12 $\mu$ m Platiniridium)
- 0251R-P25 ( $\phi$  25 $\mu$ m Platinum)



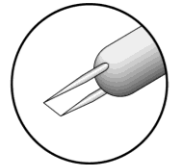
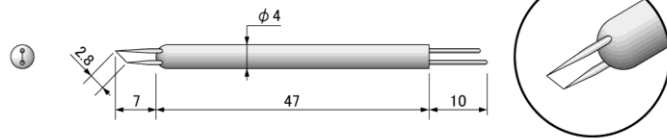
### End Flow X Probe

0252R-T5



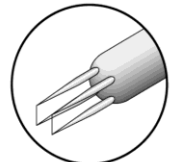
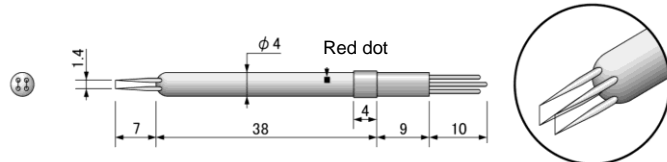
### 45°slanting sensor Probe

0253R-T5



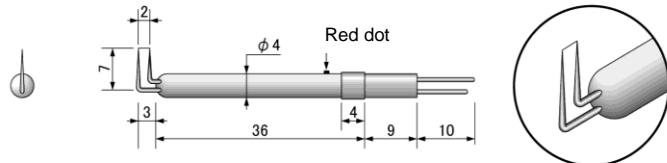
### End Flow Parallel Sensor Probe

0254R-T5



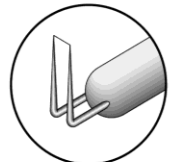
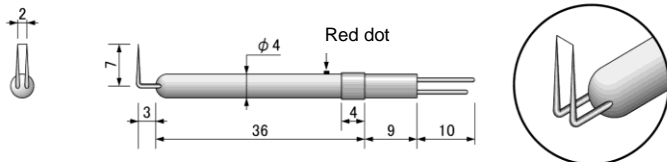
### 90°parallel sensor Probe

0247R-T5



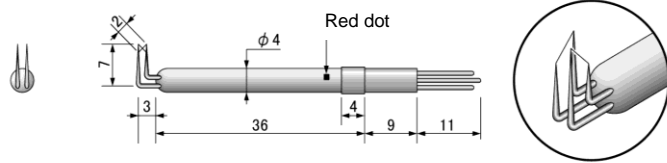
### 90°perpendicular sensor Probe

0248R-T5



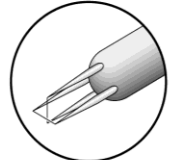
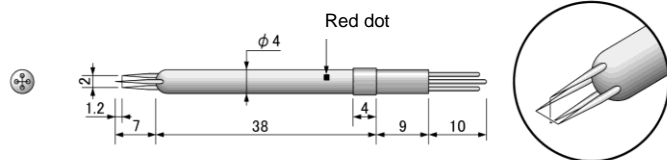
### 90°Cross Flow X Probe

0249R-T5



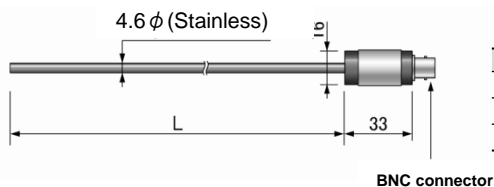
### Standard Cross Flow X Probe

- 0250R-T5 ( $\phi$  5 $\mu$ m Tungsten)
- 0250R-PI5 ( $\phi$  12 $\mu$ m Platiniridium)
- 0250R-P25 ( $\phi$  25 $\mu$ m Platinum)



## Supports

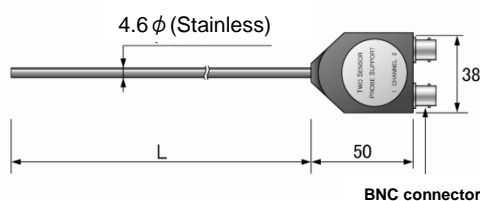
MODEL 0102 • 0103 • 0104



Model	Length
0102	155mm
0103	459mm
0104	917mm

BNC connector

MODEL 0106 • 0107 • 0108



Model	Length
0106	147mm
0107	451mm
0108	909mm

BNC connector

Hot-Wire Anemometer Smart CTA