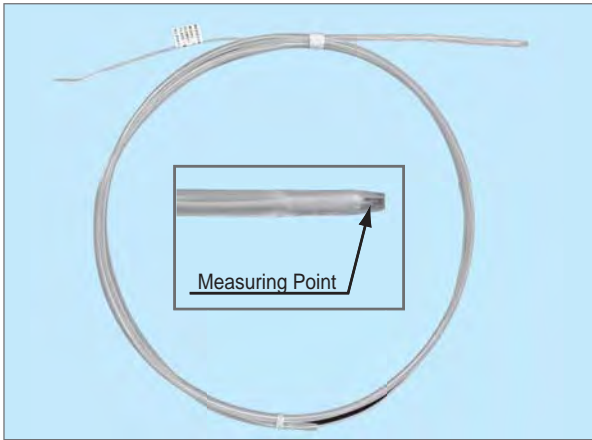
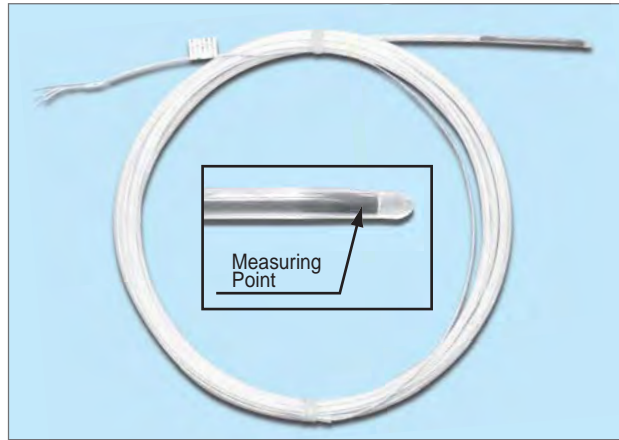


# PFA (Fluororesin) coated temperature sensors FT-100 (Thermocouple) FR-100 (Resistance Temperature Detector)

Temperature sensor with perfluoroalkoxy polymer resin coating (PFA) excels in chemical and moisture resistance.



Thermocouple : FT-100



Resistance Temperature Detector : FR-100

## Specifications

### FT-100 (Thermocouple)

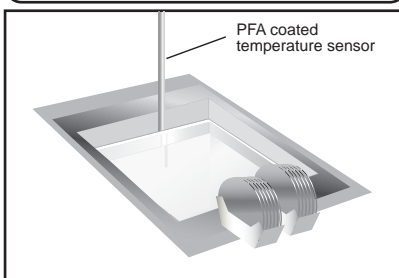
Type	Thermocouple K, Class 1
Measuring range	0 to 200°C Do not condensate except for the protection tube
Measuring accuracy	±2.5°C (Immersion length : 100mm or more)
Protection tube material	PFA (fluororesin)
Acceptable radius for protection tube bending	15mm (Except 90mm from tip)
Lead wire diameter	1.0x1.6mm
Lead wire configure	φ3.2mm X 1
Lead coating material	PFA (fluororesin), Green

### FR-100 (Resistance Temperature Detector)

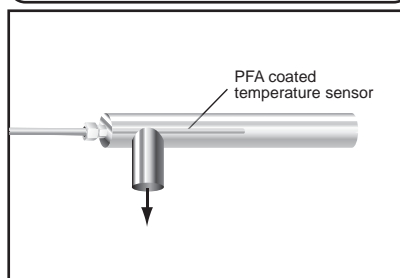
Type	Pt100, 3-wire system, Class A
Measuring range	0 to 200°C Do not condensate except for the protection tube
Measuring accuracy	±(0.15 + 0.002   t  )°C (t:Measuring temperature) Specified current : 2mA (Immersion length : 100mm or more)
Protection tube material	PFA (fluororesin)
Lead wire diameter	φ1.7mm
Lead wire configure	φ0.1mm X 7
Lead coating material	PFA (fluororesin), Gray

## Application

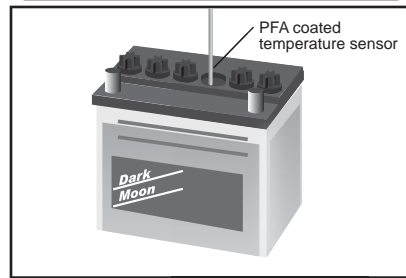
### Cleaning Chemicals



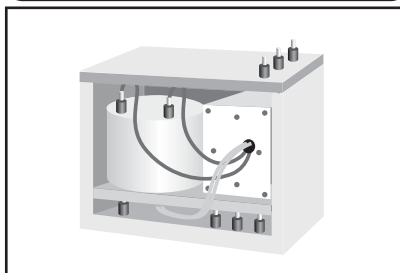
### Gas Exhaust Pipe



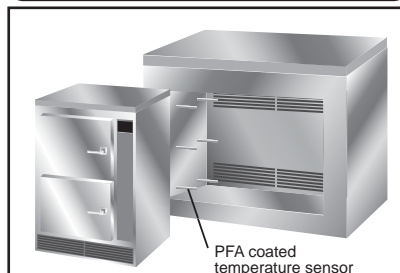
### Battery electrolyte



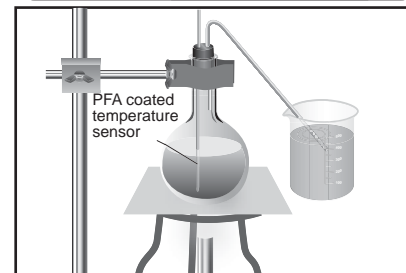
### Chemical liquid supplying device



### Environmental test chambers



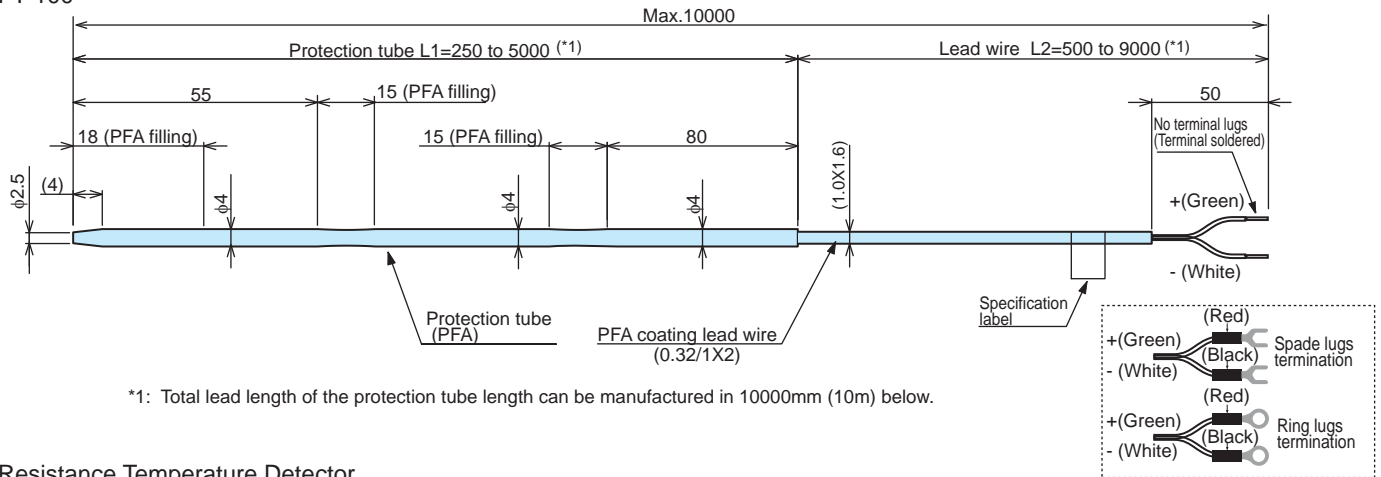
### Thermal reaction



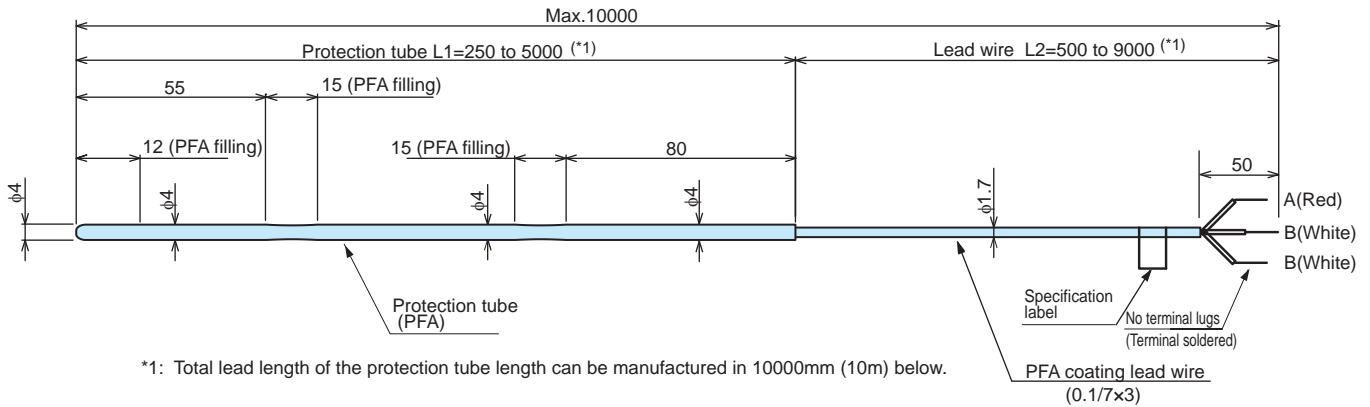
# PFA (Fluororesin) coated temperature sensors FT-100 (Thermocouple) FR-100 (Resistance Temperature Detector)

## External Dimensions Unit : mm

### Thermocouple FT-100



### Resistance Temperature Detector FR-100



## Model Code

### Thermocouple FT-100

Specifications	Model and Suffix Code			
	FT-100 - K- 42- A- □□□□-□□□□ - □-AW			
Thermocouple type	Thermocouple K, Class 1	K		
Diameter of protection tube	$\phi 4$	42		
Protection tube	PFA (Fluororesin)	A		
Length of protection tube (L1) *2	250mm to (Each 500mm) 5000mm		250 to 5000	
Lead wire length (L2) *2	500mm to (Each 500mm) 5000mm to (Each 1000mm) 9000mm		500 to 5000 5000 to 9000	
Lead wire termination	No terminal lugs *terminal soldered Spade lugs for JIS standard "M3" size screw Spade lugs for JIS standard "M4" size screw Ring lugs for JIS standard "M3" size screw Ring lugs for JIS standard "M4" size screw			W Y3 Y4 R3 R4
Pure water cleaning	Pure water cleaning & Clean packing			AW

### Resistance Temperature Detector FR-100

Specifications	Model and Suffix Code			
	FR-100 - DPA - 42- A- □□□□-□□□□ - □-AW			
Resistance temperature detector type	Pt100, Class A, Middle temperature type	DPA		
Diameter of protection tube	$\phi 4$	42		
Protection tube	PFA (Fluororesin)	A		
Length of protection tube (L1) *3	250mm to (Each 500mm) 5000mm		250 to 5000 5000	
Lead wire length (L2) *3	500mm to (Each 500mm) 5000mm to (Each 1000mm) 9000mm		500 to 5000 5000 to 9000	
Lead wire termination	No terminal lugs * terminal soldered			N
Pure water cleaning	Pure water cleaning & Clean packing			AW

\*3 : Total length of Protection tube and lead wire can be up to 10000mm (10m).

\*2 : Total length of Protection tube and lead wire can be up to 10000mm (10m).