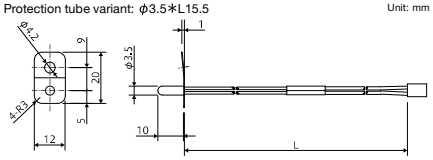
Equipped with a flange

OCK1-1

Protection tube variant: ϕ3.5∗L15.5

Unit: mm



Sensing part:stainless steel
Wire:Cross-linked PE, silicone rubber, silicone rubber insulated with glass braid
Other options available

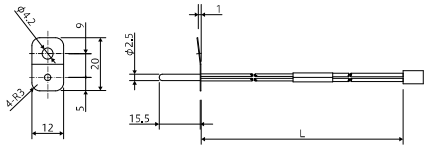
Global standard sensor for microwave ovens

Features	⬢ Max. temperature up to 300℃ ⬢ Exposed in an oven chamber
Applications	Microwave oven chambers
Operating temperature	-20 to +300℃ (from the tip of protection tube to the flange)
Thermal time constant	τ ≒ 80 sec.
Dissipation constant	δ ≒ 2.1mW/℃
Withstand voltage	1200VAC for 1 sec.
Insulation resistance	Min. 100MΩ at 500VDC
Resistance	R200 = 1kΩ Other options available
B constant	B100/200 = 4537K Other options available

OCK2-1

Protection tube variant: ϕ2.5∗L10.5

Unit: mm



Sensing part:stainless steel
Wire:Cross-linked PE, silicone rubber, silicone rubber insulated with glass braid
Other options available

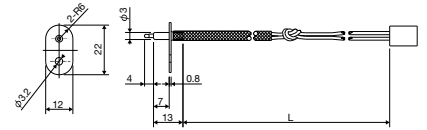
Fast response solution for microwave ovens

Response is compared to other Shibaura flange type sensors

Features	⬢ The second generation oven sensor ⬢ Outstanding accuracy and response solution for oven temperature control ⬢ Glass-encapsulated thermistor elements which withstand high voltage are available
Applications	Microwave oven chambers
Operating temperature	-20 to +300℃ (from the tip of protection tube to the flange)
Thermal time constant	τ ≒ 60 sec.
Dissipation constant	δ ≒ 2mW/℃
Withstand voltage	1200VAC for 1 sec. Consultation up to 2000VAC
Insulation resistance	Min. 100MΩ at 500VDC
Resistance	R200 = 1kΩ Other options available
B constant	B100/200 = 4537K Other options available

OCK3

Unit: mm



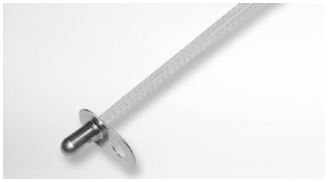
Sensing part: stainless steel
Wire: Cross-linked PE, silicone rubber, silicone rubber insulated with glass braid
Other options available

Multi-detection with high sensitivity and response

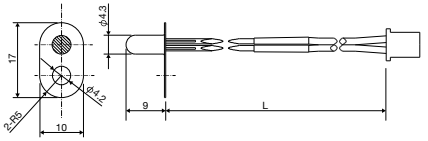
Sensitivity and response are compared to other Shibaura flange type sensors

Features	⬢ A multi-detector for temperature, vapor and air flow speed
Applications	Microwave oven chambers (air & vapor), heaters
Operating temperature	-20 to +260℃ (from the tip of protection tube to the flange)
Thermal time constant	τ ≒ 10 sec. (on an aluminium hot plate)
Dissipation constant	δ ≒ 1.2mW/℃
Withstand voltage	1200VAC for 1 sec.
Insulation resistance	Min. 100MΩ at 500VDC
Resistance	R200 = 1kΩ Other options available
B constant	B100/200 = 4537K Other options available

ST1



Unit: mm



Sensing part: stainless steel
Wire: Cross-linked PE, fluororubber parallel, heatproof PVC parallel

High heat resistance

Heat resistance is compared to other Shibaura flange type sensors

Features	⬢ One-piece protection cap ⬢ Standard burner sensor available with a highly heatproof glass-encapsulated thermistor element
Applications	Heater burners
Operating temperature	-20 to +500℃ (from the tip of protection tube to the flange)
Thermal time constant	τ ≒ 80 sec. τ ≤ 7 sec. (in oil to the flange)
Dissipation constant	δ ≒ 3mW/℃
Withstand voltage	1200VAC for 1 sec.
Insulation resistance	Min. 100MΩ at 500VDC
Resistance	R200 = 8kΩ Other options available
B constant	B150/250 = 5300K Other options available