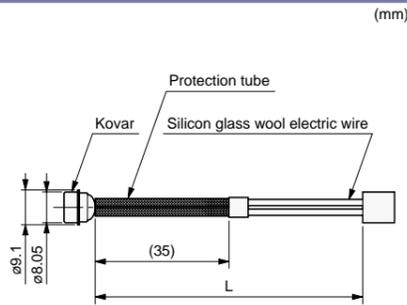
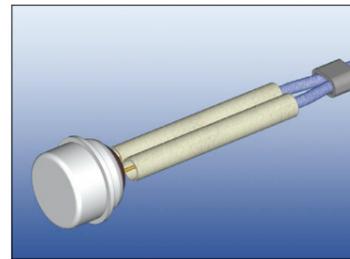


Food Processing Machines and Cooking Appliances



for Food Processing Machines and Cooking Appliances

E1 Hermetic Type



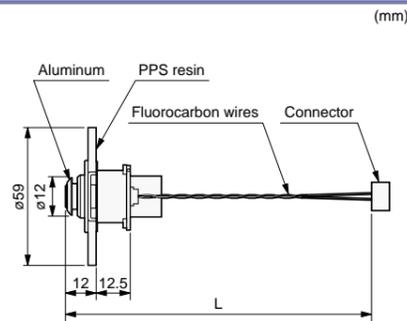
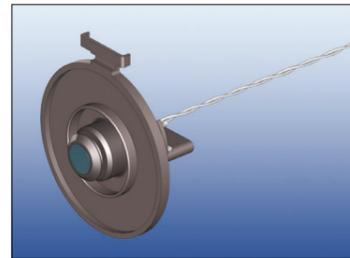
Features
Hermetic type standard surface temperature sensor.

Applications
Electric hot-water pot, Dish washer, Hot plate and IH grill-pan etc.

Operating temperature range
-20°C to 180°C

Thermal time constant
Approx. 4 sec. (on hot plate)

E2 for IH Cooking



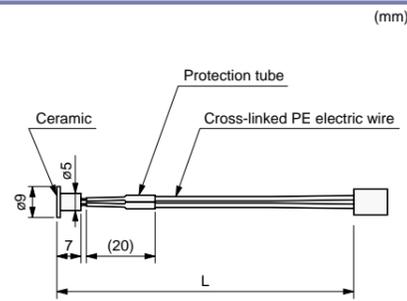
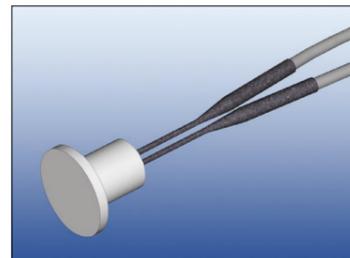
Features
Using durable NSII element, and well contacted onto measuring objects with spring inside.

Applications
IH cooker etc.

Operating temperature range
-20°C to 250°C

Thermal time constant
Approx. 8 sec. (on hot plate)

E3 Mushroom Shape



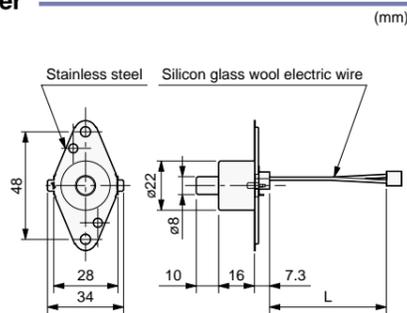
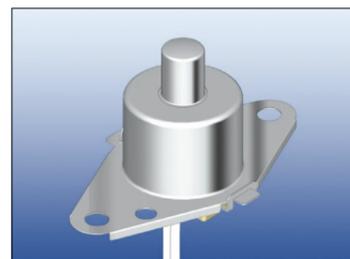
Features
Using Ceramic protection cap for high insulation level and easy installation with its shape. Aluminum cap with faster response is also available.

Applications
Surface temperature detection, IH cookers, Electric hot-water pot and IH rice cookers etc.

Operating temperature range
-20°C to 300°C

Thermal time constant
Approx. 7 sec. (on hot plate)

E4 for Electronic Rice Cooker



Features
Surface temperature sensor with movable sensing part. Able to detect if the inner pan is set or not. NTC element and reed switch are integrated. [PAT.3605600]

Applications
Rice cookers etc.

Operating temperature range
-20°C to 180°C

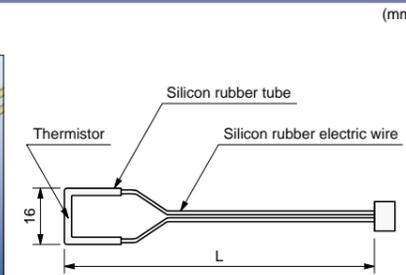
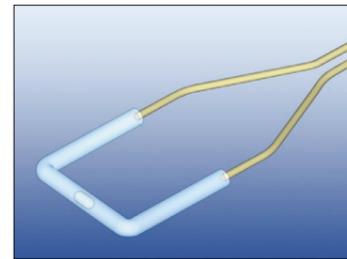
Thermal time constant
Less than 5 sec. (on hot plate)

※ Above-described shapes are just for example, customized designs are available.

for Food Processing Machines and Cooking Appliances



E5 for Rice Cooker



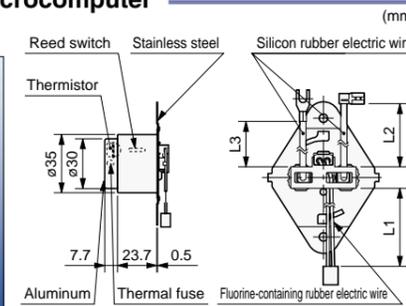
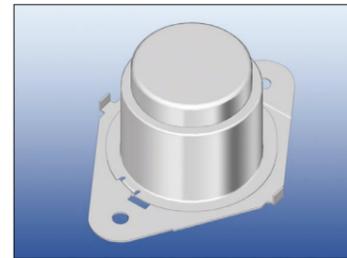
Features
PSB-N is simply connected to silicon rubber lead wire and protected by silicon rubber tube.

Applications
Lid temperature of rice cooker and ambient temp etc.

Operating temperature range
-20°C to 180°C

Thermal time constant
Less than 60 sec. (in air)

E6 for Rice Cooker with Microcomputer



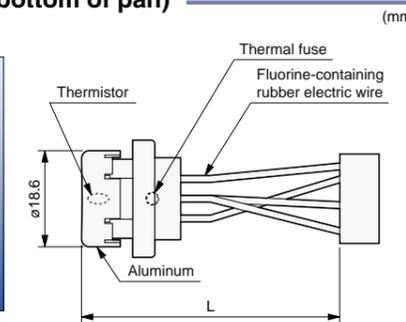
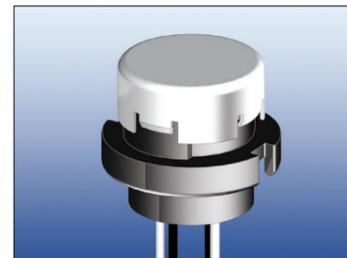
Features
Surface temperature sensor with movable sensing part. Able to detect if the inner pan is set or not. Compact shape, easy fixation and thermal fuse is also built in.

Applications
Rice cooker, Soup cooker and Chocolate warmer etc.

Operating temperature range
-10°C to 180°C

Thermal time constant
Approx. 25 sec. (on hot plate)

E7 for IH Rice Cooker (for bottom of pan)



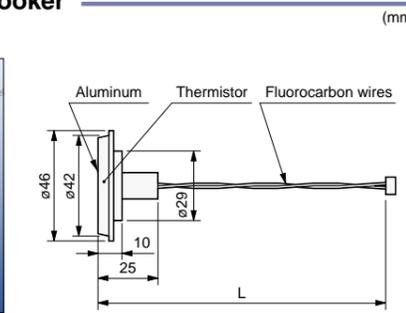
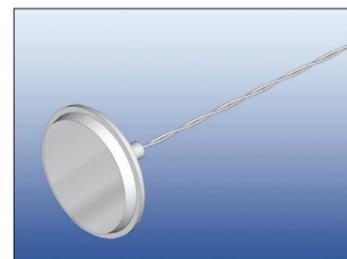
Features
Temperature sensor with thermal fuse built in, designed mainly for induction heaters.

Applications
IH cooker and Rice cooker etc.

Operating temperature range
-10°C to 200°C

Thermal time constant
Less than 8 sec. (on hot plate)

E8 for Professional Rice Cooker



Features
Durable surface temperature sensor, specially designed for professional cooking.

Applications
Professional Rice cooker etc.

Operating temperature range
-20°C to 250°C

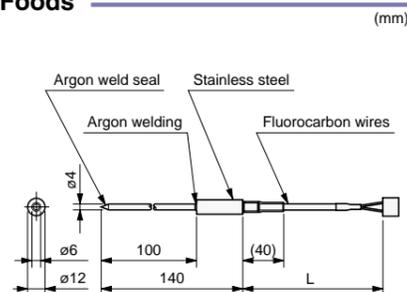
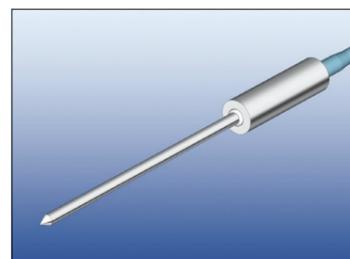
Thermal time constant
Approx 6 sec. (in liquid)

※ Above-described shapes are just for example, customized designs are available.



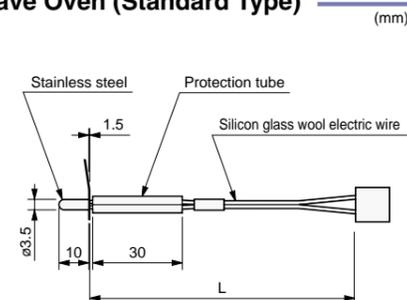
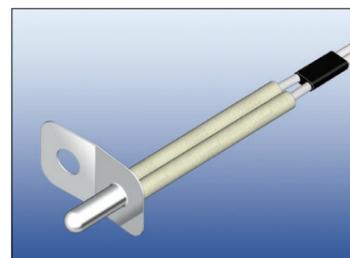
for Food Processing Machines and Cooking Appliances

E9 for Core Temperature of Foods



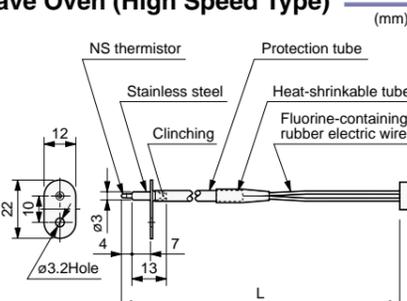
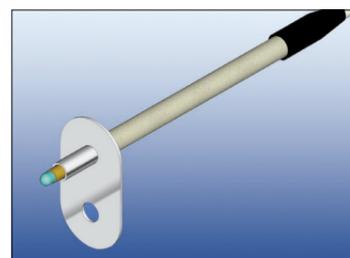
Features
Sting into the foods to measure the inside temperature. High temperature and water proof. Both low and high temperature models are available.
Applications
Blast chiller, Steam convection oven and Food processing machines etc.
Operating temperature range
-40°C to 80°C (Low temperature model) -20°C to 150°C(High temperature model)
Thermal time constant
Approx. 6 sec. (in liquid)

E10 for Convection Microwave Oven (Standard Type)



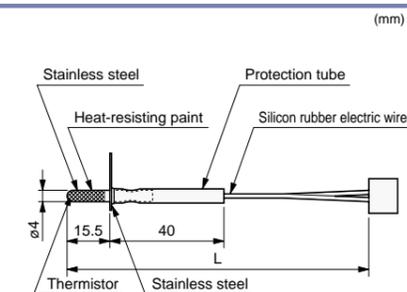
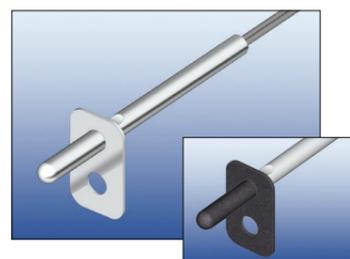
Features
One-piece protection cap. NS type element can be applied. Standard chamber temperature sensor.
Applications
Chamber temperature for Microwave oven, Gas cooker, IH cooker, Liquid crystal projector, Dehumidifier, and Cleaners etc.
Operating temperature range
-20°C to 300°C
Thermal time constant
Less than 80 sec. (in air)

E11 for Convection Microwave Oven (High Speed Type)



Features
Quick response detection with exposed NS type element. Also applicable for wind flow detector.
Applications
Vapor detection for Microwave oven, Exhaust temperature for hot water supply and Chamber temperature of Liquid crystal projectors etc.
Operating temperature range
-20°C to 260°C
Thermal time constant
Approx. 60 sec. (with wind flow)

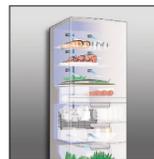
E12 for Toaster Oven



Features
NS type element as well as PSB is applicable. Additional heat collective coating and various length of cap size available.
Applications
Toaster oven, Food waste disposer and Dish washer etc.
Operating temperature range
-20°C to 300°C
Thermal time constant
Approx. 90 sec. (in air)

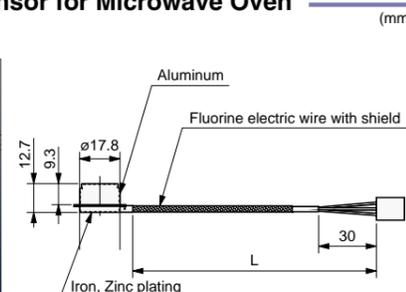
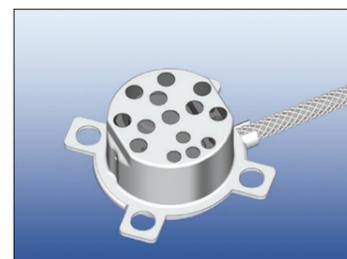
※ Above-described shapes are just for example, customized designs are available.

Food Processing Machines and Cooking Appliances, White Goods



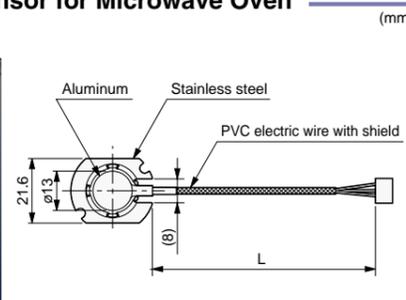
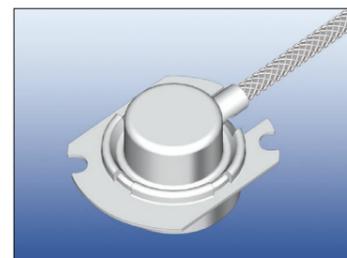
for Food Processing Machines and Cooking Appliances

E13 Absolute Humidity Sensor for Microwave Oven



Features
Absolute humidity sensor for intelligent cooking of microwave oven. [PAT.3057920]
Applications
Microwave oven and Tumble dryer etc.
Operating temperature range
0°C to 200°C
Thermal time constant
Approx. 16 sec. (90% response)

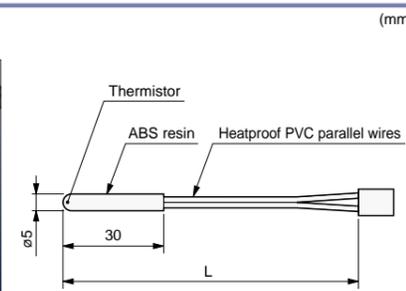
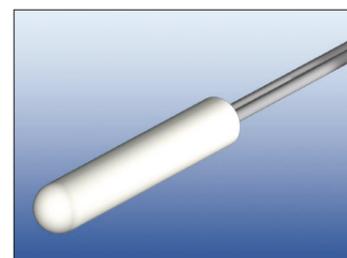
E14 Absolute Humidity Sensor for Microwave Oven



Features
To measure the humidity difference between inside and outside of chamber. For control of single-function microwave oven [PAT.3057920]
Applications
Microwave oven
Operating temperature range
0°C to 100°C
Thermal time constant
Approx. 50 sec. (90% response)

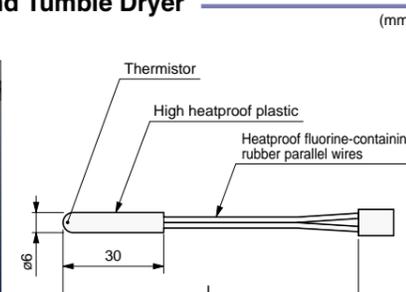
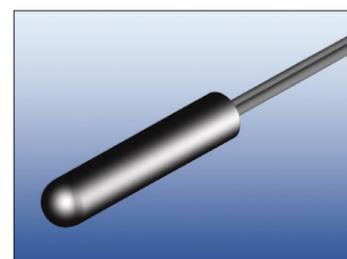
for White Goods

F1 for Refrigerator



Features
Low temperature air measurement with ABS resin protection cap.
Applications
Chamber air temperature etc.
Operating temperature range
-30°C to 100°C
Thermal time constant
Less than 15sec. (in liquid)

F2 for Washing Machine and Tumble Dryer



Features
High temperature air measurement with high temperature proof plastic protection cap.
Applications
Outlet air of Tumble dryer etc.
Operating temperature range
-30°C to 180°C
Thermal time constant
Less than 11sec. (in liquid)

※ Above-described shapes are just for example, customized designs are available.