

Gas Stove Temperature Sensor

TATEYAMA KAGAKU SENSOR TECHNOLOGY Co.,Ltd.

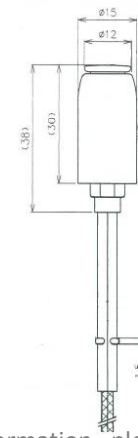
Features

- ❑ High heat resistance
- ❑ Long life with unique material composition
- ❑ 99.9% Market share in Japan & Korea



Specification

Resistance value	$R_{200}=1.1k\Omega \pm 5\%$ (example)
B constant	$R_{100/200}=4500K \pm 3\%$ (example)
Heat dissipation constant	About 0.9mW/°C
Thermal time constant	About 4 sec (Hot plate)
Operating temperature range	-20°C~300°C



For more information, please contact to agent.

Reliability test

High temperature test	350°C × 1000h (element)
Low temperature test	-20°C × 1000h
Thermal shock test	350°C ⇔ Room temp 5 min each, 10,000 cycles
Humidity test	40°C-95%RH × 1000h
Sliding test	Sliding 0-22mm at room temperature × 300,000 times

Applications

- Gas Stove Anti-Dry function
- Gas Stove Temperature Control

