

Water Heater Temperature Sensor

TATEYAMA KAGAKU SENSOR TECHNOLOGY Co.,Ltd.

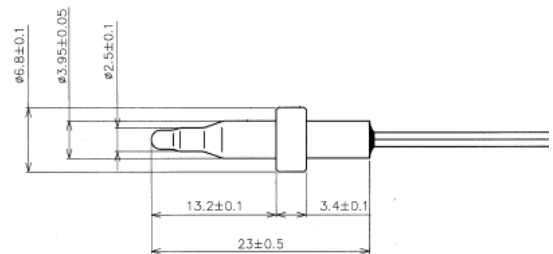
Features

- Fast Thermal Response with High Accuracy
- High Humidity Resistance Performance
- Cost reduction and stable quality by simple structure



Specification

Resistance value	$R_{40}=26.06k\Omega \pm 3\%$ (example)
B constant	$R_{0/100}=3970K \pm 1\%$ (example)
Heat dissipation constant	About 5.2mW/°C
Thermal time constant	About 0.5-0.8 sec (in water)
Operating temp range	-30°C ~ 120°C



For more information, please contact to agent.

Reliability test

High temperature test	120°C × 1000h
Low temperature test	-30°C × 1000h
Boiling Cycle test	5°C ↔ 95°C (in water) 2 min each, 1000 cycles
Humidity test	60°C-90-95%RH × 1000h

Applications

- Water Heater
- Smart Toilet
- Coffee maker
- Fuel cell battery



Specification are subject to change without notice.