Smart Toilet





Temperature detection of smart toilet seat
Wind temperature detection of smart toilet

Temperature detection of water inlet and outlet

Smart toilet

of smart toilet

Thinking Electronic Industrial Co., Ltd.,

Application

THINKING SENSOR

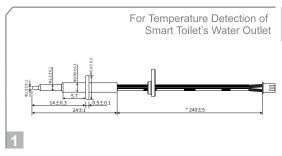
Metal Case Type

Feature: Material of metal case is the same as that of detected object for moisture resistance, more accurate temperature detection, and shorter response

time. Stainless steel offers better stability of the product and usually

directly contacts hot water.

Application: The product is generally used for temperature detection of not only water inlet and outlet but also wind.



Component | Sensing top (NTC chip+stainless steel cap)+lead wire+terminal+housing+holder

Moisture Resistance 40°C 95% RH X 1000 hours

Operation Temperature | -40~+105°C

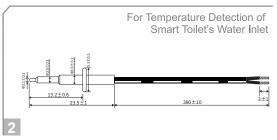
Insulation Test | DC 500V 100MΩ (Min)

R Value R37°C=29.46K Ω ±3% **B Value** | B25/50=3948K±1.5%

Thermal Time Constant Around 0.5 second (in water)

Hi-Pot Test | AC 1500V 10mA (Max)

Maximum Rated Power | 2.5mW (25°C)



Component | Sensing top (NTC chip+stainless steel cap)+lead wire

Moisture Resistance | 40°C 95% RH X 1000 hours

Operation Temperature | -30~+105°C

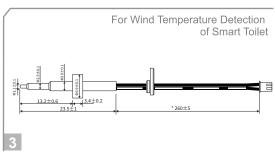
Insulation Test | DC 500V 100MΩ (Min)

R Value | R37 $^{\circ}$ C=29.46K Ω ±3% **B Value** | B25/50=3948K±1.5%

Thermal Time Constant | Around 0.8 second (in water)

Hi-Pot Test | AC 1800V 10mA (Max)

Maximum Rated Power | 4mW (25°C)



Component | Sensing top (NTC chip+stainless steel cap+brass ring)+lead wire+terminal+housing+holder

Moisture Resistance | 40°C 95% RH X 1000 hours

Operation Temperature | -40~+105°C

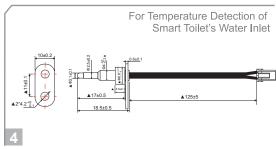
Insulation Test DC 500V 100MΩ (Min)

R Value | R37°C=29.46KΩ±3% **B Value** | B25/50=3948K±1.5%

Thermal Time Constant Around 2 seconds (in water)

Hi-Pot Test | AC 600V 0.5mA (Max)

Maximum Rated Power | 4mW (25°C)



Component | Sensing top (NTC chip+stainless steel cap+brass ring+holder)+lead wire+terminal+housing

Moisture Resistance 40°C 95% RH X 1000 hours

Operation Temperature | -30~+105°C

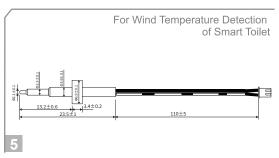
Insulation Test | DC 1000V 100MΩ (Min)

B Value | B25/50=3950K±1% **R Value** R25°C=50K Ω ±1%

Thermal Time Constant | Around 0.8 second (in water)

Hi-Pot Test | AC 1800V 1mA (Max)

Maximum Rated Power | 4mW (25°C)



Component | Sensing top (NTC chip+stainless steel cap+brass ring)+lead wire+terminal+housing

Moisture Resistance 40°C 95% RH X 1000 hours

Operation Temperature | -30~+105°C

Insulation Test | DC 500V 100MΩ (Min)

R Value R40°C=26.06K Ω ±3% **B Value** | B25/50=3948K±1%

Thermal Time Constant Around 2 seconds (in water)

Hi-Pot Test | AC 600V 0.5mA (Max)

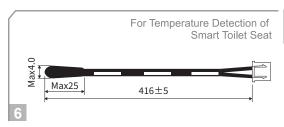
Maximum Rated Power | 4mW (25°C)



- 1.Temperature sensor is customizable in accordance with customer's needs, and THINKING provides consulting services for sensor design.
- All specifications are subject to change.
- 3. Please contact your sales representative if you have any questions.

Epoxy Coating Type

Feature: Epoxy coated sensing top is a simple design, and it responds fast. **Application:** The product is generally installed in dry environment, including temperature detection of toilet seat.



Component | Sensing top (NTC chip+epoxy)+lead wire +terminal+housing

Moisture Resistance | 40°C 95% RH X 1000 hours

Operation Temperature | -40~+105°C

Insulation Test | DC 500V 50MΩ (Min)

R Value | R37°C=29.46KΩ \pm 1% **B Value** | B25/50=3948K \pm 1%

Thermal Time Constant Around 10 seconds (in water)

Multiple Sensor Structure

Feature: Sensor is with various sensing tops and electrical characteristics for circuit design and assembly.

Application: In accordance with customer's needs

For Wind Temperature Detection of Smart Toilet

Component | Sensing top (NTC chip+stainless steel cap+brass ring, NTC chip+stainless steel cap+brass ring)+lead wire +terminal+housing

Moisture Resistance 40°C 95% RH X 1000 hours

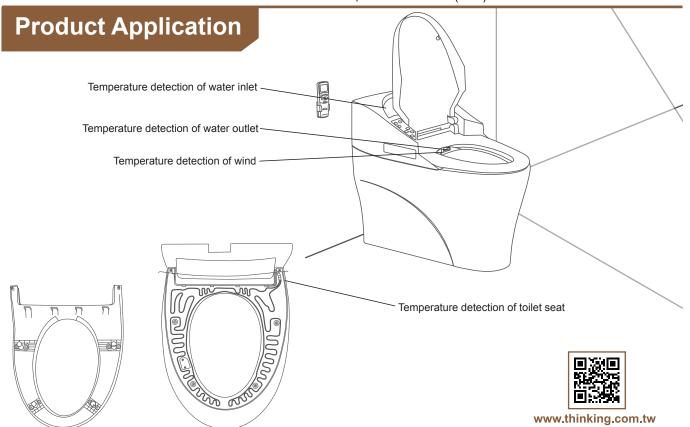
Operation Temperature | -40~+105°C

Insulation Test | DC 500V 100M Ω (Min)

R Value | R25=10KΩ±1% **B Value** | B25/50 =3950K±1%

Thermal Time Constant | Around 2 seconds (in water)

Hi-Pot Test | AC 1800V 5mA (Max)



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