ATLANTIS®

RE-ATLANTIS INTERPRISE CO., LTD

Mechnical / Industrial Glass Thermometer Gatalog Catalog

Due to the variety of customization, the product pictures are only for your reference, please confirm the actual item appearances with our sales.
(If there is any change on specification, please take the latest version as standard.)

Ver.3.0

BTT

**Bimetal Thermometer
(Back Mount Type)**

Application: Is suitable for medium/low temperature on-site measurement, widely apply to machinery, food, catering and industry environments.
Model: BTT
Size: 1", 1.5", 2", 2.5", 3", 4", 5", 6"
Temperature range: -50 ~ 600°C
Measuring elements: Bi-metal
Window: Glass
Thread material: SS304
Stem length: 63mm ~ 2032mm
Accuracy: 1.5% / 1.0%
Protection level: IP 54

BTA

**Bimetal Thermometer
(Adjustable Angle Type)**

Application: Is suitable for medium/low temperature on-site measurement, suitable in machinery, food and catering industry.
Model: BTA
Size: 3", 4", 5", 6"
Temperature range: -50 ~ 600°C
Measuring elements: Bi-metal
Window: Glass
Thread material: SS304
Stem length: 63mm ~ 2032mm
Accuracy: 1.5% / 1.0%
Protection level: IP 54

BTI

**Bimetal Thermometer
(Bottom Mount Type)**

Application: Is suitable for medium/low temperature on-site measurement, widely apply to machinery, food, catering and industrial environments.
Model: BTI
Size: 3", 4", 5", 6"
Temperature range: -50 ~ 600°C
Measuring elements: Bi-metal
Window: Glass
Thread material: SS304
Stem length: 63mm ~ 2032mm
Accuracy: 1.5% / 1.0%
Protection level: IP 54

BTT-S

**Sanitary Bimetal Thermometer
(Back mount type)**

Application: Specially design for food machine or sanitary clamp, the open design allowing easy cleaning, eliminated to prevent impurity generated.
Model: BTT-S
Size: 2", 2.5", 3", 4",5",6"
Temperature range: -50 ~ 600°C
Measuring elements: Bi-metal
Process connection size: Tri-Clamp 0.75", 1", 1.5", 2", 2.5", 3"
Window: Glass
Thread material: SS304
Stem length: 4" ~ 80"
Accuracy: 1.5% / 1.0%
Protection level: IP 54 / IP65

BTI-S

Sanitary Bimetal Thermometer
(Bottom mount type)

Application: Specially design for food machine or sanitary clamp, the open design allowing easy cleaning, eliminated to prevent impurity generated.
Model: BTI-S
Size: 2.5", 3", 4",5",6"
Temperature range: -50 ~ 600°C
Measuring elements: Bi-metal
Process connection size: Tri-Clamp 0.75", 1", 1.5", 2", 2.5", 3"
Window: Glass
Thread material: SS304
Stem length: 4" ~ 80"
Accuracy: 1.5% / 1.0%
Protection level: IP 54 / IP65

ITI-M

Gas-actuated Thermometer
(For Marine Type)

Application: Measuring principle adopts gas- actuated to ensure fast reaction to ambient temperature.
Model: ITI-M
Size: 3", 4", 5", 6"
Temperature range: -50 ~ 650°C
Measuring elements: Gas-actuated
Accuracy: 1.0%
Thread material: SS304
Window: Glass
Protection level: IP65

ITI

Medium-Actuated Thermometer

Application: Higher resistant-performance to acute temperature change than general bimetal thermometer, suitable for a wide range of industrial environments.
Model: ITI
Size: 3", 4", 5", 6"
Temperature range: -50 ~ 600°C
Measuring elements: Media-expansion
Accuracy: 1.5% / 1.0%
Thread material: SS304
Window: Glass
Protection level: IP54

BT-BM

Bimetal Thermometer
(Bar Magnets Type)

Application: The magnetic block on the back absorbs the horizontal surface and measures its surface temperature, suitable for non-intrusive pipeline needs.
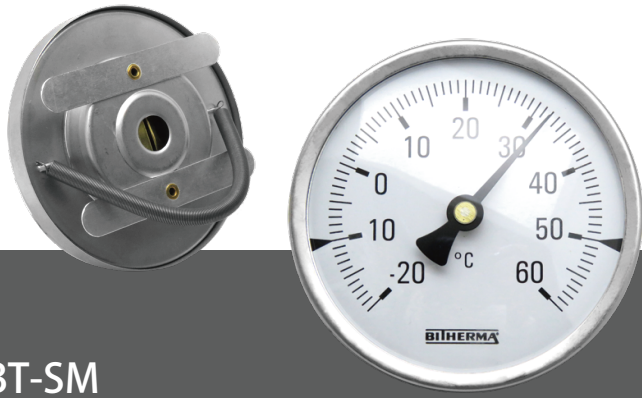**Model:** BT-BM
Size: 2", 2.5", 3", 4"
Temperature range: -50 ~ 600°C
Measuring elements: Bi-metal spiral spring
Window: Glass (Safety glass only available for size > 2.5")
Accuracy: 2.5%
Protection level: IP 54

BT-SM

Pipe-Clamp Surface Thermometer

Application: It can apply to heater, ventilation, air-conditioning and wastewater treatment operating system, suitable for pipeline surface temperature measurement.
Model: BT-SM
Size: 2", 2.5", 3", 4"
Temperature range: -40 ~ 400°C
Measuring elements: Bi-metal spiral spring
Measuring elements: Bi-metal spiral spring
Window: Glass (with raised edge)
Accuracy: 2.0%
Protection level: IP 54

RT50

Remote Reading Small Thermometer with Capillary

Application: Higher resistant-performance to acute temperature change than bimetal thermometer.
Model: RT50
Size: 2"
Temperature range: 0 ~ 120°C
Measuring elements: Bourdon tube
Accuracy: 3.0%
Stem Material: Copper alloy
Capillary length: 1m
Window: PC
Protection level: IP54

FT series

Remote Reading Thermometer

Application: Suitable for high temperature and high vibration frequency environments, high sensitive reaction to temperature change, higher resistance to acute temperature change than bimetal thermometer.
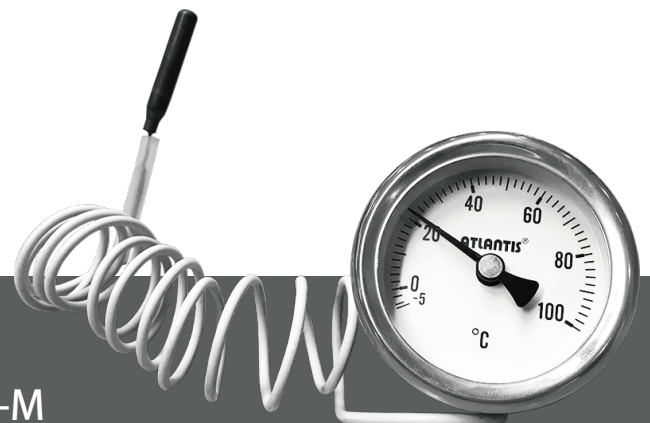**Model:** FT series
Size: 3", 4", 5", 6"
Temperature range: -50 ~ 650°C
Measuring elements: Gas-actuated / Liquid-actuated
Accuracy: ±1.0%
Stem material: SS304 / SS316
Window: Glass
Protection level: IP54 / IP65

FT-M

Small Remote Reading Thermometer

Application: Applicable to measure temperature of dry machine, food, refrigeration and air conditioning, and environmental oil-water separation equipment.
Model: FT-M
Size: 2", 2.5"
Temperature range: -5 ~ 100°C
Accuracy: 4.0%
Liquid-in-capillary: Kerosene or other fluid
Stem material: Copper alloy
Stem length: 36mmL
Capillary length: 1m
Window: PC

TR

Temperature Recorder

Application: Rotating paper recorder,single and dual pen circular temperature record.
Model: TR
Size: 8", 10", 12"
Pressure range: -50°C to -500°C
Measuring elements: Bourdon tube
Accuracy: 1.5%
Thread: Copper alloy / SS304
Window: Glass / Tempered glass
Recording period: 12 hours/24 hours, 7 days a cycle

FDT

Industrial Glass Thermometer
(for autoclave type)

Application: Are specially designed for high temperature sterilization equipment in food, pharmaceutical and canning industry, use with a remote recording thermometer or pressure gauge.
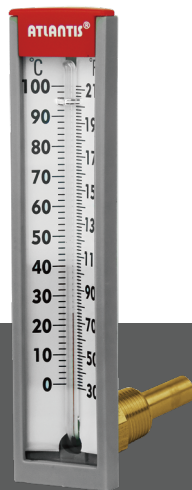**Model:** FDT
Size: 9"
Temperature range: 80 ~ 135°C
Measuring elements: Thermal expansion linearity of mercury
Liquid in glass: Mercury
Accuracy: 0.5%
Thread material: Stainless steel
Window: Glass

PGL6

6" / 6.5" Industrial Glass Thermometer
(L type)

Application: Is mainly apply to measure temperature in cold or hot water pipeline, boiler or air-conditioning system.
Model: PGL6
Size: 6"
Temperature range: -5°C~55°C / -10°C~50°C / 0°C~100°C
Measuring elements: Liquid-expansion
Liquid-in-glass: Red organic liquid
Accuracy: 1.0%
Thread material: Copper alloy
Window: Glass
Protection level: IP43

PGS6

6"Industrial Glass Thermometer
(Bottom mount type)

Application: Is mainly apply to measure temperature in cold or hot water pipeline, boiler or air-conditioning system.
Model: PGS6
Size: 6"
Temperature range: -10°C~50°C / 0°C~100°C
Measuring elements: Liquid-expansion
Liquid-in-glass: Red organic liquid
Accuracy: 1.0%
Thread material: Copper alloy
Window: Glass
Protection level: IP43

BTIC

Bimetal Thermometer with Electrical Contact (Bottom Mount Type)

Application: Suitable for high accuracy activation with zero- delay requirements, the protection level of concealed wiring type is higher than open wiring one.
Model: BTIC
Size: 3", 4", 6"
Temperature range: -50 ~ 600°C
Measuring elements: Bimetal
Accuracy: 1.5% / 1.0%
Thread material: SS304
Window: Acrylic
Contact type: Sliding switch SPST
Number of contacts: SPSTx1 / SPSTx2 / SPSTx4
Protection level: IP54

BTAC

Bimetal Thermometer with Electrical contact (Adjustable Angle Type)

Application: Is used to control the facility connected to the thermometer, which makes it suitable for various industrial application.
Model: BTAC
Size: 3", 4", 6"
Temperature range: -50 ~ 600°C
Measuring elements: Bimetal
Accuracy: 1.5% / 1.0%
Thread material: SS304
Window: Acrylic
Contact type: Sliding switch SPST
Number of contacts: SPSTx1 / SPSTx2 / SPSTx4
Protection level: IP54

BTTC

Bimetal Thermometer with Electrical Contact (Back Mount Type)

Application: Is used to control the facility connected to the thermometer, which makes it suitable for various industrial application.
Model: BTTC
Size: 3", 4", 6"
Temperature range: -50 ~ 600°C
Measuring elements: Bimetal
Accuracy: 1.5% / 1.0%
Thread material: SS304
Window: Acrylic
Contact type: Sliding switch SPST
Number of contacts: SPSTx1 / SPSTx2 / SPSTx4
Protection level: IP54

MS-FT Series

Remote Reading Thermometer with Electrical Contact (Micro Switch Type)

Application: Remote reading thermometer with micro switch, features high contact rating 5A, which is suitable for temperature control in high current environment.
Model: MS-FT Series
Size: 4", 6"
Temperature range: -200 ~ 600°C
Measuring elements: Gas-actuated / Liquid-actuated
Accuracy: 1.0%
Thread material: SS304
Window: Glass / Safety glass
Switch contact type: Single pole double throw SPDT
Contact number: SPSTx1 / SPSTx2
Protection level: IP65

TGA9

9" Adjustable Angle Industrial Glass Thermometer

Application: The adjustable angle thermometer can apply to industrial environment such as pipeline or wind tunnel.
Model: TGA9
Size: 9"
Temperature range: -40 ~ 400°C
Measuring elements: Liquid-expansion
Liquid-in-glass: Red and black scale
Accuracy: 1.0%
Thread material: Aluminum alloy
Window: Glass
Protection level: IP43

RG series

Metal Tube Industrial Glass Thermometer

Application: Suitable for using in merchant ship, fishing boat, high temperature exhaust environment and others industrial application.
Model: RG series
Installation type: Straight with thermowell / 90° angle with thermowell
Temperature range: -10~600°C
Accuracy: ±0.5°C / 1°C / 2°C / 5°C / 6°C (Depends on temp. range)
Measuring elements: Liquid-expansion
Liquid-in-glass: Red or blue organic liquid
Thread material: Copper alloy / Anodized chrome-plated steel / Stainless steel

SG series

Metal Tube Industrial Glass Thermometer

Application: Suitable for using in merchant ship, fishing boat, high temperature exhaust environment and others industrial application.
Model: SG series
Installation type: Straight with thermowell / 90° angle with thermowell
Temperature range: -10~600°C
Accuracy: ±0.5°C / 1°C / 2°C / 5°C / 6°C (Depends on temp. range)
Measuring elements: Liquid-expansion
Liquid-in-glass: Red or blue organic liquid
Thread material: Copper alloy / Anodized chrome-plated steel / Stainless steel

VG series

V-shape Aluminum Case Glass Thermometer

Application: Suitable for using in merchant ship, fishing boat, high temperature exhaust environment and others industrial application.
Model: VG series
Installation type: Straight with thermowell / 90° angle with thermowell / 135° angle with thermowell
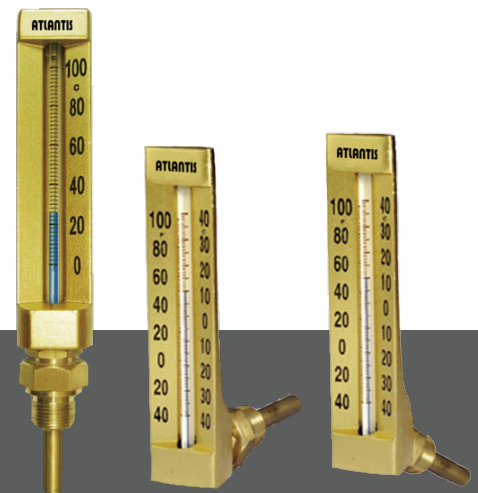**Temperature range:** -60~600°C
Accuracy: ±0.5°C / 1°C / 2°C / 5°C / 6°C (Depends on temp. range)
Measuring elements: Liquid-expansion
Liquid-in-glass: Red or blue organic liquid
Thread material: Copper alloy / Chrome-plated steel / Stainless steel

FTC series

Remote Reading Thermometer with Electrical Contact

Application: The remote reading thermometer equipped with a buzzer, a flashing indicator or a relay to remote control and monitor connected facility.
Model: FTC series
Size: 3", 4", 6"
Temperature range: -50 ~ 650°C
Measuring elements: Gas-actuated / Liquid-actuated
Accuracy: 1.0%
Thread material: SS304
Window: Acrylic
Switch contact type: Sliding switch SPST
Number of contacts: SPSTx1 / SPSTx2 / SPSTx4
Protection level: IP54

MS-FTXWF Series

Remote Reading Explosion-proof Thermometer with Electrical Contact (Micro Switch Type)

Application: Reading thermometer with micro switch, which is suitable for temp control in high current and hazardous environment.
Model: MS-FTXWF Series
Size: 6"
Temperature range: -200 ~ 650°C
Measuring elements: Gas-actuated / Liquid-actuated
Accuracy: 1.0%
Thread material: SS304
Window: Acrylic
Switch contact type: Single pole double throw SPDT
Number of contacts: SPSTx1 / SPSTx2
Protection level: IP65

MS-IT Series

Media-actuated Thermometer with Electrical Contact

Application: Remote reading thermometer with micro switch, which is suitable for temperature control in high current environment.
Model: MS-IT Series
Size: 4", 6"
Temperature range: -200 ~ 600°C
Measuring elements: Gas-actuated / Liquid-actuated
Accuracy: 1.0%
Thread material: SS304
Window: Glass / Safety glass
Switch contact type: Single pole double throw SPDT
Contact number: SPSTx1 / SPSTx2
Protection level: IP65