Pocket Test Bimetal Thermometer

WIKA’s dual-magnet surface mount thermometers are problem solvers. The TI.ST is an inexpensive, easy-to-use, accurate surface mounting thermometer, which attaches to any ferrous metal surface giving unlimited localized temperature indication. The specially designed bimetal sensing element and housing provide quick readings. These 2” dial thermometers feature steel cases, glass windows and polished aluminum dials with very legible graduations.

WIKA’s dual-magnet mount surface thermometers are the ideal choice for ovens, boilers, process lines, motors, generators or anywhere surface temperature is to be measured, whether temporarily or permanently.

Size: 2”
Depth: ½”
Accuracy: ± 5% of full scale value

Ranges:
-50°F to 250°F
-20°C to 120°C
-20°C to 70°C

Surface Mount Bimetal Thermometer

WIKA’s temperature switch gauge offers a combination of industrial strength performance with unmatched precision. The TI.TSG60 has a rugged stainless steel case, which holds up to four single-pole, double-throw 10-amp switches for a variety of switching actions.

Size: 6¼”
Case: 304 stainless steel; bottom connected back flange
Window: Lexan®
Switch rating: 10 amp @ 125/250 V AC, non-inductive; 5 amp @ 120 V AC, inductive; ½” amp @ 125 VDC, non-inductive; ¼” amp @ 250 VDC, non-inductive
Switch differential: equal to 2-3% of span
Connection: Amphenol connector for up to 4 switches
Thermowells: 1”
Range: 50% up to 500°F, except 10% on 0-120°C and 0-250°F

Thermowells

For over 60 years, WIKA Instrument Corporation has continuously advanced pressure gauge, transmitter and temperature measurement instrumentation. As the global leader in lean manufacturing, WIKA offers a broad selection of stock and custom instrumentation solutions, which are often available for distribution within days. Producing over 40 million gauges, diaphragm seals, transmitters and thermometers worldwide annually, WIKA’s extensive product line provides measurement solutions for any application. The WIKA sales team, along with its customer service and technical staff members, are ready to share their extensive product and industry knowledge to make your business experience with WIKA productive and progressive.

WIKA provides distinctive service and support to our channel partners and customers:
- Award-winning U.S.-based manufacturing, sales and ordering customer service and technical support
- Certified technical specialists who conduct Best Practice Instrument Reviews with performance improvement reports
- An in-house engineering team for product customization and innovation
- Proven capabilities to connect with customer business processes for ordering and inventory management
- Web-based customer service features, including RFQs, literature request and competitor product cross reference

For additional information, please call 1-888-945-2872 or visit www.wika.com.
Twin-Temp Thermometers

Bimetal / Twin-Temp

WIKA’s process grade bimetal thermometers are suitable for nearly every direct-reading thermometer application. Their rugged construction and long-lasting service. The superior quality of the WIKA Type 33, 35, 32, 30, 31, 33 and 34 is reflected in the 7-year warranty.

WIKA’s process grade bimetal thermometers are suitable for nearly every direct-reading thermometer application. Their rugged construction and long-lasting service. The superior quality of the WIKA Type 33, 35, 32, 30, 31, 33 and 34 is reflected in the 7-year warranty.

Thermowells

Bimetal / Solar Powered / Industrial Thin Stem / Thermowells

Thermowells for temperature instruments are recommended for all processes where temperature measurement, or where pressure or velocity, WIKA thermowells are available through a complete selection of base materials. They are available in a selection of different thermowells to new types of thermometers.

WIKA's laboratory/thin stem thermometers are ideal. Rugged and reliable, within a limited range, a WIKA industrial glass thermometer can offer easy-to-read temperature measurement.

WIKA’s industrial glass thermometers on-stem and stem tip.

Industrial Thin Stem Thermowells

WIKA’s laboratory/thin stem thermometers are ideal. Rugged and reliable, within a limited range, a WIKA industrial glass thermometer can offer easy-to-read temperature measurement.

WIKA’s industrial glass thermometers on-stem and stem tip.

Industrial Glass Thermometer

For additional information, please visit 1-888-945-2872 or visit www.wika.com.
**Process Grade Bimetal Thermometers**

- **Size:** 2”, 5”
- **Ranges:** -100°F (-70°C) to 1000°F (500°C)
- **Scale:** dual °F/°C; single °F or °C
- **Accuracy:** +/-1.0% of span ASME B40.3 Grade A
- **Stem lengths:** configurable
- **Case & stem:** 3”, 5” (5” not available on solar digital)
- **Options:** transmitter and terminal block

**Industrial Thin Stem Thermometers**

- **Size:** 1”, 2”
- **Case & stem:** 304 stainless steel
- **Accuracy:** <±1.5% T.I. Reading; <±1.0°F or °C
- **Ranges:** -10°F (-25°C) to 70°F (20°C)
- **External reset:** extremely adjustable on plan connection
- **Options:** (stem) optional, scales and dial markings; Lexan® window, beaker clip, stem tip

**Solar Powered Digital Thermometer**

- **Size:** 1½”
- **Case connection:** back range, back clamp, phenolic turret, direct reading adjustable
- **Ranges:** -50/300°F (-50/150°C)
- **Accuracy:** <±1% of full range span

**Gas & Vapor Actuated / Solar Industrial / Glass**

- **TI.61102**
- **Ranges:** 0-100°F (0-38°C)
- **Lux Rating:** 1 lux (one foot candle)
- **Fill:** blue spirit fill (non-mercury)

**Thermowells**

- **Materials:** stainless, brass, AISI 304, AISI 316
- **Bore diameter:** .260”, .385”
- **Instrument connection:** ½” NPSM standard
- **Process connections:** plain, threaded, flanged, welded, sanitary
- **Process connections:** ceramic thermistor
- **Sensor: window, beaker clip, stem tip
- **Base material:** stainless, brass

**Industrial Glass Thermometer**

- **TI.61102**
- **Ranges:** 0-100°F (0-38°C)
- **Lux Rating:** 1 lux (one foot candle)
- **Fill:** blue spirit fill (non-mercury)

**Vapor Actuated Thermometers**

- **TI.61102**
- **Ranges:** 0-100°F (0-38°C)
- **Lux Rating:** 1 lux (one foot candle)
- **Fill:** blue spirit fill (non-mercury)
**Bimetal / Twin-Temp**

Bimetal / Twin-Temp

- **Size:**
  - 2" 5" (standard, 1655 wetted parts)
  - 3" 4" (factory for larger stems)
- **Stem lengths:**
  - 2½" to 72" (consult factory for longer (stem) optional)
- **Accuracy:**
  - +/-.2% of span ASME B40.3 Grade A
- **Range:**
  - -100°F (-70°C) to 1000°F (500°C)
- **Scale:**
  - dual °F/°C; single °F or °C
- **Type:**
  - 304 stainless steel (other materials available)
- **Case & stem:**
  - 304 stainless steel, 316 stainless steel wetted parts
  - brass, AISI 304, AISI 316 stainless steel
- **Bore diameter:**
  - .260", .385"
- **Process connections:**
  - stepped, straight, taper threaded, flanged, welded, sanitary
- **Surface finish:**
  - dial markings, Lexan®
  - glass, acrylic, ceramic thermistor
- **Capillary lengths:**
  - 4½", 6" (other materials available)
- **Sensor:**
  - copper bulb, capillary and braided thermowell
  - ceramic, glass, acrylic

**Thermowells**

Thermowells for temperature instruments are recommended for all processes where inside measurements are required. Corrosive environments, high pressure or velocity, WIKA thermowells are available through a complete selection of base materials. They are also available in a selection of alloys and coatings, as well as threaded, flanged, welded or brazed end connections. WIKA thermowells are offered in 8/32nd and 5/32nd size (stem diameter) with a variety of thread and capillary lengths. WIKA offers thermowell conversion kits to adapt different thermowells to new types of thermometers.

**Process connections:**

- threaded, flanged, welded, sanitary 
- standard type J, K, L and N available

**Materials:**

- brass, AISI 304, AISI 316
- other materials available

**Surface finish:**

- glass, acrylic, ceramic thermistor

**Solar Powered Digital Thermometer**

WIKA’s solar powered digital thermometers are ideal for pilot plants, R&D and industrial applications.

**Type:**

- connected (TD) adjustable angle

**Sizes:**

- 2½" to 72" (stem) optional

**Material:**

- glass, acrylic, ceramic thermistor

**Sensor:**

- ceramic thermistor requiring 250V to operate the 0-10 volt output

**Gas & Vapor Actuated / Solar Industrial / Glass**

WIKA’s industrial glass thermometers offer easy-to-read temperature measurement and a rugged and reliable mechanical design. WIKA industrial glass thermometers are available in different types of glass tubes. WIKA’s solar industrial thermometer is an excellent alternative to industrial glass thermometers. Its thin, fast, accurate and easy to read temperature indicators, and the glass tube is mounted to resist shock. These thermometers are available in a selection of glass types and materials.

**Industrial Glass Thermometers**

**Type:**

- 2½" to 72" (stem) optional

**Materials:**

- brass, AISI 304, AISI 316 stainless steel

**Sensor:**

- copper bulb, capillary and braided thermowell

**G/T:**

- 304 stainless steel (other materials available)

**Case & stem:**

- 304 stainless steel, 316 stainless steel wetted parts

**Bore diameter:**

- .260", .385"

**Process connections:**

- stepped, straight, taper threaded, flanged, welded, sanitary

**Surface finish:**

- dial markings, Lexan®

**Capillary lengths:**

- 4½", 6" (other materials available)

**Sensor:**

- copper bulb, capillary and braided thermowell

**Accuracy:**

- ±1% of scale division, full scale

**Options:**

- adjustable locking adjustable locking (G/T) adjustable locking adjustable locking (G/T) adjustable locking adjustable locking (G/T) adjustable locking adjustable locking (G/T) adjustable locking adjustable locking (G/T)
Pocket Test / Temperature Switch / Surface Mount

Pocket Test Bimetal Thermometer

WIKA's pocket test bimetal thermometer provides quick, accurate readings and is the instrument of choice for the food service industry. The 1½" dial is easy to read. Stem length is 5".

Accuracy: +1% of full scale
Case: stainless steel
Length: 5"
Range: -40/180°F, -20/100°C

Surface Mount Bimetal Thermometer

WIKA's dual-magnet surface mount thermometers are problem solvers. The TI.ST is an inexpensive, easy-to-use, accurate surface mounting thermometer, which attaches to any ferrous metal surface giving unlimited localized temperature indication. The specially designed bimetal sensing element and housing provide quick readings. These 2" dial thermometers feature steel cases, glass windows and polished aluminum dials with very legible graduations.

Size: 2"
Depth: ½"
Accuracy: +1% of full scale value
Ranges: 0-250°F; 0-500°F; -20/250°C; -70/70°C

Temperature Switch Gauge

WIKA's temperature switch gauge offers a combination of industrial strength performance and unmatched precision. The TI.32G60 has a rugged stainless steel case, which holds up to four single-pole, double-throw 10-amp switches for a variety of switching actions.

Size: 6¼"
Case: 304 stainless steel; bottom connected back flange
Window: Lexan®
Switch rating: 10 amp @ 125/250 V AC, non-inductive; 5 amp @ 120 V AC, inductive; ½" amp @ 125 VDC, noninductive; ¼" amp @ 250 VDC, non-inductive
Switch differential: equal to 2-3% of span
Connection: Amphenol connector for up to 4 switches
Range: -40/160°F; 0/220°F; 50/550°F

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Pocket Test / Temperature Switch / Surface Mount

Pocket Test Bimetal Thermometer

WIKA’s pocket test bimetal thermometer provides quick, accurate readings and is the instrument of choice for the food service industry.

The 1” dial is easy to read. Stem length is 5”, and the thermometer comes with a pocket case which can be used to hold the stem.

Temperature Switch Gauge

Surface Mount Bimetal Thermometer

WIKA’s dual-magnet surface mount thermometers are problem solvers. The TI.ST is an inexpensive, easy-to-use, accurate surface mounting thermometer, which attaches to any ferrous metal surface giving unlimited localized temperature indication. The specially designed bimetal sensing element and housing provide quick readings. These 2” dial thermometers feature steel cases, glass windows and polished aluminum dials with very legible graduations.

WIKA’s dual-magnet mount surface thermometers are the ideal choice for ovens, boilers, process lines, motors, generators or anywhere surface temperature is to be measured, whether temporarily or permanently.

Size: 2”
Depth: ½”
Accuracy: ±0.5% of full scale value
Ranges: -50/200°F; 0-500°F; -20/250°C; -70/70°C

TI.32

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