



# Traceable® Workhorse™ Thermometer

Type-K Workhorse™ Thermometer provides a sharp readout in dim and very bright light, long battery life (150 to 200 continuous hours), high accuracy, wide temperature range, and a new chip design for an ultra low cost.

Type-K range is -58.0 to 2372°F and -50.0 to 1300°C. Resolution is 0.1° between -50.0 to 200.0 and 1° elsewhere. Meter accuracy is  $\pm(1^\circ\text{C} + .75\%)$  between 0 to 500°C;  $\pm(1^\circ\text{C} + 1\%)$  500 to 750°C;  $\pm(1^\circ\text{C} + 2\%)$  750 to 1000°C;  $\pm(3^\circ\text{C} + 4\%)$  1000 to 1200°C;  $\pm 2^\circ\text{C}$  at -20;  $\pm 3^\circ\text{C}$  at -40; and  $\pm 4^\circ\text{C}$  at -50.

Recessed front panel adjustable offset allow user to adjust thermometer exactly to a specific temperature, in-house calibration, or a particular sensor for increased accuracy. HOLD button freezes display to capture current reading. Supplied with bench stand. It is compatible with all type-K probes. To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Supplied with fast response Type-K probe, bench stand, 9-volt battery, and carrying case. Probe diameter is 1/8-inch, stem length 3 1/8 inches, overall length 5 inches and a cable length of 40 inches. Size is 2 3/4 x 5 1/2 x 1 1/4 inches and weight is 6 ounces. Replacement battery Cat. No. 1112.

**Cat. No. 4425 Traceable® Workhorse™ Thermometer**

**(For a complete description of type-k accessory probes see page 26.)**



# Traceable® RTD Platinum Thermometer

## Fast, one-button operation

Read degrees Fahrenheit or Celsius at the flick of a switch. Innovative 0.01° digital thermometer developed specifically for lab and plant use is the finest-performing RTD Platinum Thermometer ever designed. Precise answers make it ideal for experimental requirement. Ease of use makes it perfect for routine quality-control needs. One-button operation allows everyone in lab to report identical readings and eliminates operator technique errors. State-of-the-art, fourth-generation aerospace engineering incorporates the most modern and sophisticated electronics in temperature measurement to achieve utmost in precision, stability, and dependability.

## Reliable results in any solution

High-precision thermometer is geared specifically for measuring temperatures in soil, foods, ovens, cuvetts, gas systems, water baths, wastewater, incubators, chemical solutions, petroleum products, and extremely cold conditions. Manufactured for years of reliable service, even in severe environments.

## Accuracy delivers on-the-dot readings

Resolution is 0.01° below 200° and 0.1° above 200°. Accuracy is  $\pm(0.1\% + 0.2^\circ\text{C})$  below 200°C and  $\pm(0.15\% + 0.5^\circ\text{C})$  above 200°C. HOLD button freezes display for reading later. Fail-safe display shows low battery and probe condition. Readings are updated 2 1/2 times per second. Jumbo, 1/2-inch-high digits and bright, high-contrast LCD display make the thermometer easy to read. Serial RS-232 output allows thermometer to be connected to computer or data logger for capturing and storing results.

## Traceable to NIST for accuracy

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Platinum (100-ohm) 4-wire probe is triple-purpose for liquids, air/gas, and semi-solids. Probe range is -58° to 752°F and -50° to 400°C. Dimensions: stem length 6 inches, stem diameter 0.13 inch, overall stem length 12 inches, cable length 40 inches, cable diameter 1/8-inch. Supplied with probe, 9-volt battery, and Traceable® Certificate. Size is 7 x 3 x 1 1/4 inches. Weight is 9 1/2 ounces. Replacement battery Cat. No. 1112.



Computer Output

- |                      |  |                      |  |
|----------------------|--|----------------------|--|
| <b>Cat. No. 4132</b> | <b>Traceable® RTD Platinum Thermometer</b> | <b>Cat. No. 4136</b> | <b>Data Acquisition System</b> (see complete description on page 25) |
| <b>Cat. No. 4133</b> | <b>Replacement probe for 4132</b>          | <b>Cat. No. 4325</b> | <b>Data Logger</b> (see picture and specifications on page 25)       |
| <b>Cat. No. 4138</b> | <b>Easy-Use Accessory Adapter 115 VAC</b>  |                      |  |