



THERMISTOR AND RTD HANDHELD THERMOMETERS

TEGAM's 865/866 thermistor thermometers: Your best choice for lab-accurate temperature measurement in a built-tough handheld.

TEGAM's thermistor thermometers measure temperatures from -70° F to +300° F (-55° C to +150° C) with precise accuracy: 0.3% of the reading. They're built dust-proof, splash-proof, withstand a six-foot drop and work with all YSI Series 400 probes. Those outstanding qualities—along with their repeatability and long-term stability—make these handheld thermometers ideal for work in the lab or in the field.

- Accuracy: 0.3% of reading
- 1° or 0.1° resolution
- °F or °C scales
- Big, easy-to-read LCD display
- One-year warranty

ORDERING INFORMATION

MODEL	INPUTS	SCALE
865	One	°F
866	One	°C

TEGAM's 868/869 RTD thermometers, the only handheld RTDs that accept three-wire and four-wire platinum probes, provide repeatable accuracy of 0.3° C.

With exceptional accuracy and the same repeatability and long-term stability of our thermistor units, TEGAM's 868/869 platinum RTD thermometers detect and display temperatures from -360° F to + 1100° F. They're ideal for cryogenic and high-temperature research or industrial monitoring. For your flexibility, we provide a mating connector which allows you to use any 100 ohm RTD probe. These units are housed in heavy-duty ABS cases that are dust-proof, splash-proof and drop-proof.

- Accuracy: 0.3° C
- 1° or 0.1° resolution
- °F or °C scales
- Big, easy-to-read LCD display
- One-year warranty

ORDERING INFORMATION

MODEL	INPUTS	SCALE
868	One	°F
869	One	°C

SPECIFICATIONS

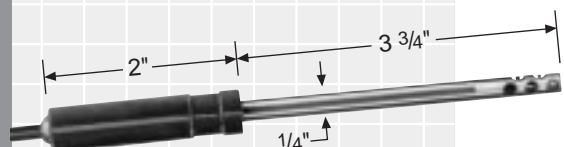
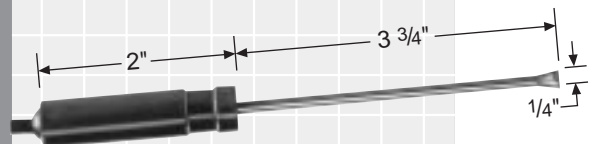
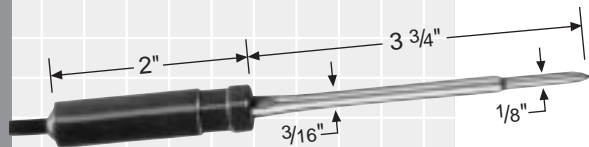
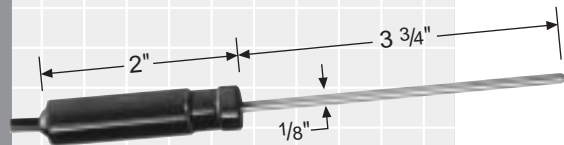
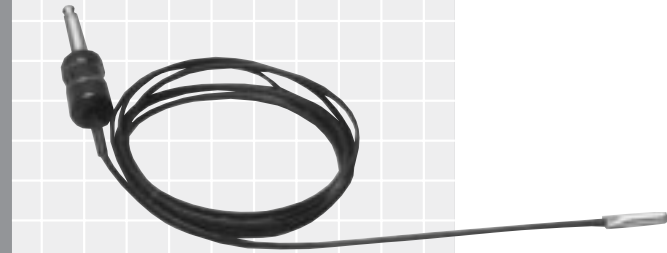
ACCESSORIES SUPPLIED: 9V battery and manual.
(spare input connector included with 868/869).

MODEL		RANGE	RESOLUTION	ACCURACY
865	°F	-40 to 199.9	0.1°	± (0.3%rdg + 0.5° F)
	°F	-70 to 300	1°	± (0.3%rdg + 1° F)
866	°C	-40 to 150	0.1°	± (0.3%rdg + 0.3° C)
868	°F	-100 to 199.9	0.1°	± 0.4° F
	°F	-100 to 1100	1°	± 2° F
869	°C	-100 to 199.9	0.1°	± 0.3° C
	°C	-100 to 630	1°	± 1° C

REPEATABILITY: 0.1° C (0.2° F) typical
 DISPLAY: 3 1/2-digit LCD, .5" high
 DIMENSIONS: 6.3" x 2.7" x 1.2". Net weight 7.5 oz.
 ACCESSORIES AVAILABLE: 8660 tilt stand/belt clip, 8668 vinyl case



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SENSOR PROBE: Ideal for biological and geophysical testing of gases, liquids and subsoils. This rugged 5-ft. long probe has stranded 22AWG Teflon-insulated wire. Sheath: 304 SS.
Max. temp.: 300° F/150° C.
Time constant: 6 sec.

ORDERING INFORMATION

MODEL 8662

GENERAL PURPOSE PROBE: For immersion in liquids and gases. 316 SS sheath. TPR coil cord 11/2-ft. (ext. 3-ft.).
Max. temp.: 300° F/150° C.
Time constant: 3 sec.

ORDERING INFORMATION

MODEL 8663

PENETRATION PROBE: Sharp, pointed tip for insertion into semi-soft materials, such as meat and cheeses. Extra heavy duty coil cord expands and retracts thousands of times without breaking. 304 SS sheath; 316 SS tip.
TPR coil cord 11/2-ft. (ext. 5-ft.).
Max. Temp.: 300° F/150° C.
Time constant: 3 sec.

ORDERING INFORMATION

MODEL 82814

SURFACE PROBE: For fast measurements on flat surfaces. 304 SS sheath. TPR coil cord 11/2-ft. (ext. 3-ft.).
Max. temp.: 300° F/150° C.
Time constant: 5 sec.

ORDERING INFORMATION

MODEL 8665

AIR/GAS PROBE: For measurement of air and gas streams, incubators, etc. Exposed sensing element protected by perforated shield. 304 SS sheath. TPR coil cord 11/2-ft. (ext. 3-ft.).
Max. temp.: 300° F/150° C.
Time constant: 10 sec.

ORDERING INFORMATION

MODEL 8666

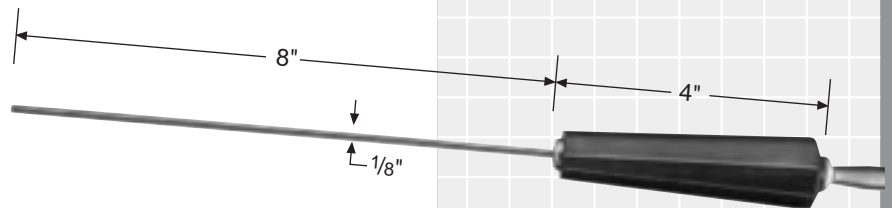
NOTE: All TEGAM thermistor probes are supplied with YSI Series 400 compatible phone jacks.



GENERAL PURPOSE/IMMERSION PROBE: For measuring gases, liquids, soft materials or small-area surfaces, 316 SS sheath. TPR coil cord 1 1/2-ft. (ext. 5-ft.). Max. temp.: -200° C to +600° C. Time constant: 10 sec.

ORDERING INFORMATION

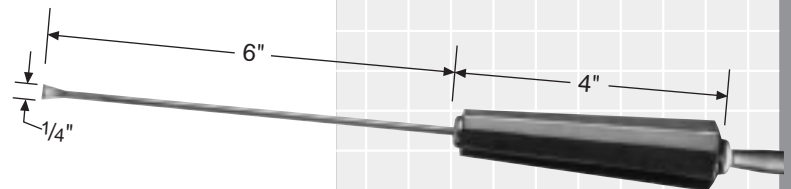
MODEL 8693*



SURFACE PROBE: For measurements on hot or cold flat surfaces. 304 SS sheath. TPR coil cord 1 1/2-ft. (ext. 5-ft.). Max. temp.: -50° C to +260° C. Time constant: 3 sec.

ORDERING INFORMATION

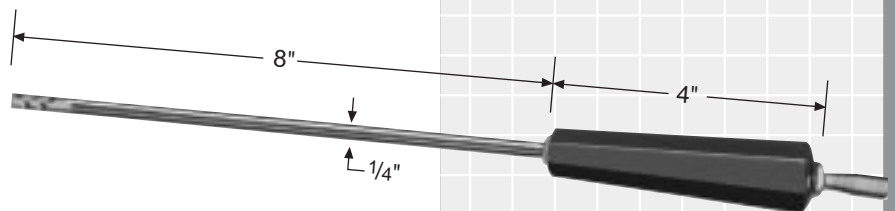
MODEL 8695*



AIR/GAS PROBE: For measuring air and other gaseous atmospheres. 304 sheath. TPR coil cord 1 1/2-ft. (ext. 5-ft.). Max. temp.: -50° C to +260° C. Time constant: 5 sec.

ORDERING INFORMATION

MODEL 8696*



NOTE: All TEGAM 100Ω Platinum RTD probes have 4-wire RTDs and are supplied with a Switchcraft TA4FL (or equivalent) compatible connector.

* Pin 2 - sense (868/9)

TEGAM



THERMOMETER CASES AND STANDS

TILT STAND/PROBE HOLDER: Test instrument fits snugly inside holder, providing a tilt stand, belt clip, and probe holder. Detachable temperature probe holder snaps on or off. Tough ABS material provides toolbox durability.

ORDER 8660 WITH THESE TEGAM UNITS

TYPE	FITS MODEL NUMBERS	MODEL
Thermometers	865/866/868/869/874	8660



PADDED CASE: Foam-padded case can be hung from your work belt. Case includes pocket for storing leads, probes, etc.

ORDER 8668 WITH THESE TEGAM UNITS

8668 CASE	
TYPE	MODEL NUMBERS
Thermometers	819/820/821/865/868/869/871A/872A/874