



INNOVATIVE HANDHELD DIGITAL THERMOMETERS

TEGAM's 820 Series Thermometers are easier to use, more accurate and provide more functions than any competitive unit at any price, including Fluke's 50s.

Easy to use because every function is controlled by its own accessible front panel key. Easy to understand because the status of every function is shown on the display. Easy to program because one touch of the user friendly keypad changes TC type from K to J to T. One touch changes °F to °C. One touch begins or ends min. max. data recording, views recorded data or holds the display. Easy to repeat procedures because the unit retains the functions you've selected even when turned off. The dual input models allow you to view T1, T2, or T1 minus T2, or to continually scan all three modes. Their six data logging registers automatically record the min. and max. temperatures of all three modes simultaneously.

More accurate with accuracies of 0.1% and resolution of 0.1°, full range in °F and °C. You get fast, accurate and repeatable readings, and an unmatched two year calibration guarantee to prove it.

All models conform to the temperature/voltage tables of the National Institute of Standards and Technology and to IEC 584 standards.

"One-Touch" keys let you:

- Change TC types (K, J, T)
- Change resolution from 0.1° to 1°
- Switch to °F or °C
- Hold display values

"One-Touch" keys on TEGAM's 820/821 also let you:

- View or continuously scan T1, T2 and T1 minus T2
- Record min-max data
- View recorded data
- Scan recorded data

Exceptional accuracy: 0.1% with 0.1° resolution °F and °C

Repeatability 0.2% typical

6 Data logging registers

Trend indicators on 820/821 show rising, falling, or stable temperature

Annunciators display status of all functions

Self-diagnostics show low battery, open TCs, overrange, or internal hardware faults

Drop-proof, dust-proof, and splash-proof ABS case

NIST traceable certificate of calibration available upon request

Two-year calibration guarantee, three-year warranty

These thermometers are extraordinary products at affordable prices.

ORDERING INFORMATION

MODEL	TC TYPES	INPUTS
819/RB	K, J, T	One
820/RB	K, J	Two
821/RB	K, J, T	Two

SPECIFICATIONS

ACCESSORIES SUPPLIED: Integral tilt stand/handle, wrist strap, 9V battery, manual, 8204 protective rubber boot, belt clip, two 8712 probes with 820/821 (one 8712 probe with 819).

ACCURACY: ± (0.1% rdg + 0.6°C)

RESOLUTION: 0.1/1°F OR °C

REPEATABILITY: ± 0.2°C typical

THERMOCOUPLES:	RANGE	TYPE K	TYPE J	TYPE T
	°F	-328 to 2502	-346 to 1400	-328 to 752
	°C	-200 to 1372	-210 to 760	-200 to 400

DISPLAY: 5-digit LCD, 0.4" high

DIMENSIONS: 7" x 2.9" x 1.1". Net weight 10 oz.



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THERMOCOUPLE THERMOMETERS

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GENERAL PURPOSE DIGITAL THERMOMETERS

Select a low cost Thermometer in TC type K, or J, and get all the accuracy and resolution you need for routine work.

We make these easy-to-use thermometers for people whose everyday needs call for basic temperature measurement accuracy and resolution, instead of highly-sophisticated data provided by multi-function thermometers. And, we build these thermometers with a high-impact ABS case that's shock-proof and splash-proof for tool box durability. We back them with a full one-year warranty. Check the application chart below to see which of these low cost thermometers suits your specific needs.

SPECIFICATIONS

ACCESSORIES SUPPLIED: 9V battery and manual.

MODEL	TC TYPE	RANGE	RESOLUTION	ACCURACY
874F	K	°F-40 to 199.9	0.1°	± (0.5%rdg + 1.0° F)
		°F-120 to 1999	1°	± (1%rdg + 2° F)
874C	K	°C-40 to 199.9	0.1°	± (0.5%rdg + 0.5° C)
		°C-85 to 1100	1°	± (1%rdg + 1° C)

REPEATABILITY: 0.3°F

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, 1104 leather case

ACCURATE DIGITAL THERMOMETERS WITH ANALOG OUTPUT

TEGAM's 871A/872A, the recognized industry standards, are the only handheld digital thermometers with analog output, plus dual input and easy-to-use rotary switches.

These thermometers are the only handhelds whose 1mV per °C analog output can be directly linked to recorders and computers.

Wide-application accuracy: 0.25% of reading

Dual thermocouple inputs

One-hand operation: Upper rotary switch selects °F or °C and 1° or 0.1° resolution; lower rotary switch enables fast comparisons of two temperature points

Big, bright 3 1/2 - digit LCD display, with low battery and open probe indicators

871A accepts type K thermocouples: 872A accepts type J

Rugged ABS plastic case

Two-year warranty



ORDERING INFORMATION

MODEL	TC TYPES	INPUTS
871A	K	Two
872A	J	Two

SPECIFICATIONS

ACCESSORIES SUPPLIED: 8712/8722 probe, 9V battery, manual

ACCURACY: ± (0.25% of reading + 1°C)

RESOLUTION: 0.1° to 200°; Full Range

REPEATABILITY: ±0.2° C

THERMOCOUPLES:	RANGE	TYPE K	TYPE J
	°F	-40 to 1999	-40 to 1400
	°C	-40 to 1370	-40 to 760

DISPLAY: 3 1/2 - digit LCD, 0.6" high

DIMENSIONS: 7.0" x 3.1" x 1.6". Net weight 10.6 oz.

ACCESSORIES AVAILABLE: 8668 vinyl carrying case.

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WIRE THERMOCOUPLE PROBES: For gas, surface or liquid measurements. These 3-ft. long probes have fiberglass-insulated, 24-ga. wires welded at the tips. (6-ft. long/8712-6). Time constant: 1 sec.

TC TYPE	MAX TEMP	MODEL
K	900° F/480° C	8712
K	900° F/480° C	8712-6

GENERAL PURPOSE PROBES: For measuring liquids, gases, or small-area surfaces. Sheath: 304 SS. 3-ft. vinyl-clad straight cord. Time constant: 1 sec.

TC TYPE	MAX TEMP	MODEL
K	1650° F/900° C	8713
J	1400° F/760° C	8723

PENETRATION PROBE: Ideal for measurement of meats, plastics, and other semi-soft materials. Sheath: 304 SS. 11/2-ft. (ext. 5-ft.) coil cord with Thermoplastic Rubber jackets. Time constant: 2 sec.

TC TYPE	MAX TEMP	MODEL
K	1650° F/900° C	8714A

SURFACE PROBES: For monitoring hot plates, furnaces, molds and other hot solid surfaces. Exposed thermocouple junction provides quick response upon direct contact. Sheath: 304 SS. 3-ft. vinyl-clad straight cord. Time constant: 3 sec.

TC TYPE	MAX TEMP	MODEL
K	750° F/400° C	8715

AIR/GAS PROBES: For measuring atmospheres in hoods, ducts and vents. Perforation pattern in shield is designed to prevent radiation-induced tip heating so air/gas temperature measurements are more accurate. Sheath: 304 SS. 3-ft. straight cord. Time constant: 3 sec.

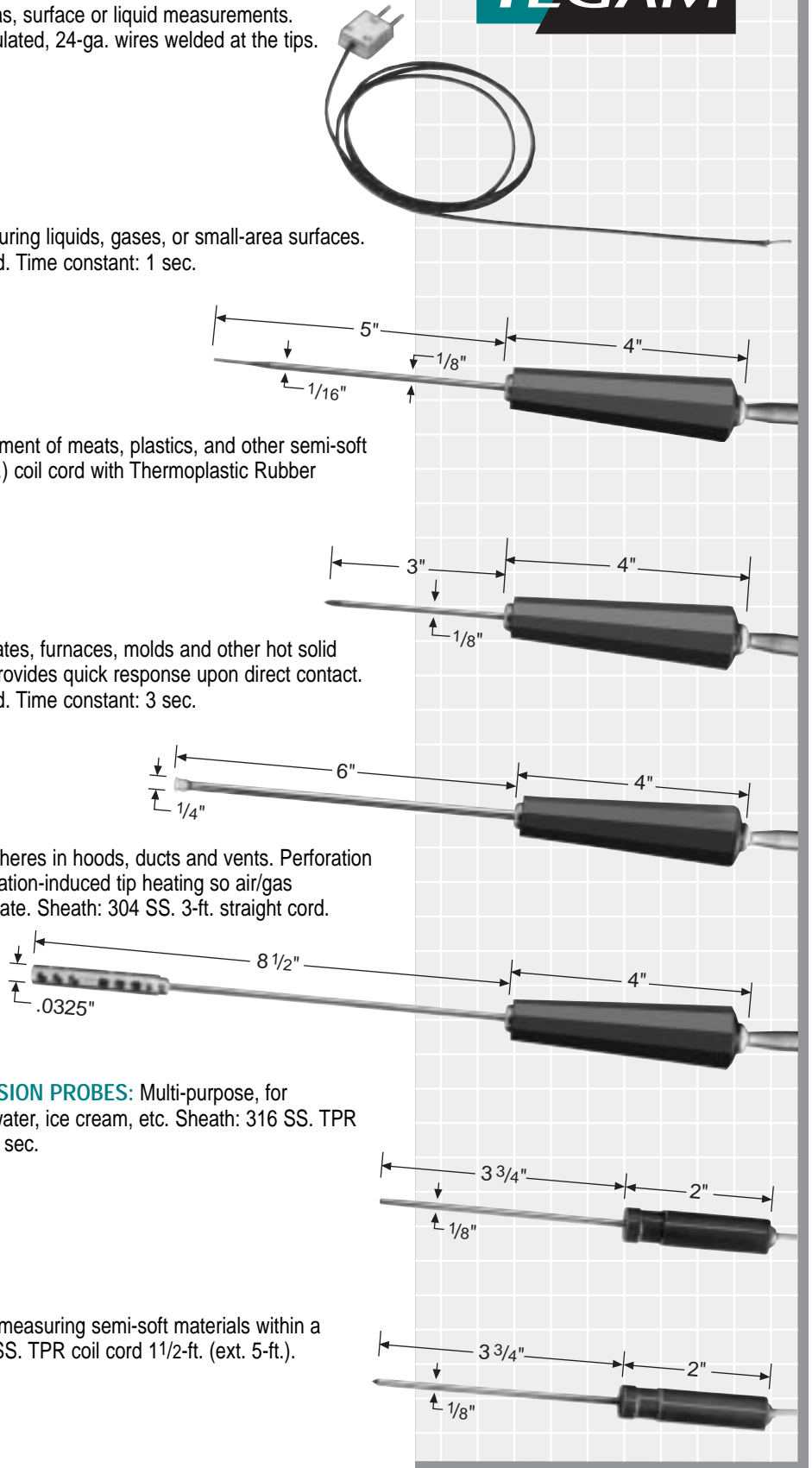
TC TYPE	MAX TEMP	MODEL
K	570° F/300° C	8716

COMPACT GENERAL PURPOSE/IMMERSION PROBES: Multi-purpose, for measuring air, liquids, soft materials, e.g., water, ice cream, etc. Sheath: 316 SS. TPR coil cord 11/2-ft. (ext. 5-ft.). Time constant: 1 sec.

TC TYPE	MAX TEMP	MODEL
K	390° F/200° C	8733
T	390° F/200° C	8753

COMPACT PENETRATION PROBES: For measuring semi-soft materials within a restricted temperature range. Sheath: 316 SS. TPR coil cord 11/2-ft. (ext. 5-ft.). Time constant: 1 sec.

TC TYPE	MAX TEMP	MODEL
K	390° F/200° C	8734



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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