



TEL-TRU MANUFACTURING COMPANY

NON-CONTACT INFRARED THERMOMETERS

Tel•Fast

TEL-FAST thermometers are hand-held, battery-operated devices that safely and accurately measure temperature using non-contact infrared technology. Infrared sensors consist of optics, detector, display, and output, and can display temperature measurement in °F or °C within milliseconds. Instruments are ideal for food preparation, automotive, science, electronic, plant maintenance, construction and HVAC markets.



QT4242L
Long Range
Professional



QT418LD
Professional Grade with
Type K Thermocouple Port



QT418L1
Professional General
Grade

Temperature Range	-76/1600°F (-60/900°C)	-76/1157°F (-60/625°C)	-76/932°F (-60/500°C)
Distance to Target Ratio	30:1	16:1	12:1
Accuracy/Resolution	+/- 2% of reading or 2°C (4°F), whichever is greater	+/- 2% of reading with 1/10 th degree resolution	+/- 2% of reading with 1/10 th degree resolution
Ambient Oper. Temp.	32/122°F (0/50°C)	32/122°F (0/50°C)	32/122°F (0/50°C)
Key Features	Dual Laser Targeting Measures Maximum Temperature during scan Select F or C Adjustable Emissivity (preset at .95) Backlit LCD Display	Laser Targeting K-Type thermocouple port accepts any mini-K-Probe (sold separately) Bright, built-in 8-point circular lasers provide easy aiming Measures Min-Max-Dif-Avg temperature during scan Select F or C Adjustable Emissivity from 1.00 to 0.10 Hi/Lo audible/visual alarm Amber backlit LCD display	Bright, built-in 8-point circular lasers provide easy aiming Emissivity preset at 0.95 Measures Maximum temperature during scan Select F or C Amber backlit LCD display
Power	2 AAA batteries for 180 hours, Auto-Off	2 AAA batteries for 40 hours, Auto-Off, Low battery icon	2 AAA batteries for 40 hours, Auto-Off
Weight/Dimensions	11.3 oz. (with batteries); 9 x 6 x 2.8"	9 oz.; 7.5 x 6 x 1.5"	9 oz.; 7.5 x 6 x 1.5"
Carrying Case	Hard ABS padded plastic carrying case included	Sold separately	Sold separately

Temperature + Pressure

Since
1916



QTFI40L
Professional Grade
Food Inspection



QT303F
Food Service /
Inspection



QT205L
Pocket-sized Mini
General Use

Temperature Range	-67/536°F (-55/280°C)	Infrared: -67/572°F (-55/250°C) Needle Tip - K Probe: -67/626°F (-55/330°C)	-27/482°F (-33/250°C)
Distance to Target Ratio	16:1	2.5:1	6:1
Accuracy/Resolution	+/- 1.8°F (1°C) at 32 to 150°F of reading with 1/10 th degree resolution Below 32°F; +/- 2°F (1°C), +/- 0.1°C - Above 150°F; +/- 1.5% (meets HACCP ranges)	Infrared +/- 1.8°F (1°C) at 32 to 149°F of reading Below 32°F; +/- 2°F (1°C), +/- 0.1°C - Above 150°F; +/- 1.5% (meets HACCP ranges) K Probe: +/- 0.9°F (0.5°C) 1/10 th degree resolution	+/- 2% of reading with 1/10 th degree resolution
Ambient Oper. Temp.	32/122°F (0/50°C)	32/122°F (0/50°C)	32/122°F (0/50°C)
Key Features	Dual Laser Targeting - form a "virtual" circle of the test area Measures Average and Maximum temperatures Select F or C Dual lasers provide a perfect measure point. They converge at 0.87" target area and expand as your distance and target area measured increase proportionally	3-in-1 with Contact Probe and HACCP Alarm Measures Average, Minimum, and Maximum temperatures	Measures Maximum, Minimum and "Lock" for continuous temperature scanning Bright, built-in laser guided aim Select F or C Adjustable Emissivity (preset at .95)
Power	2 AAA batteries for 180 hours, Auto-Off	2 AAA batteries for 40 hours, Auto-Off	CR2032 lithium battery for 40 hours, Auto-Off
Weight/Dimensions	7 oz.; 3 x 6 x 1.5"	2.7 oz.; 0.95 x 1.5 x 6.1"	2.29 oz.; 0.9 x 2 x 4"
Carrying Case	N/A	N/A	Sold Separately

Applications

Food Service, Restaurants

- Grill Surface Temperatures
- Meats, Soups, Coffee
- Confectionery

Food Preparation

- Rotary Cooker Temperatures
- Continuous Infrared Ovens
- Mixers
- Continuous Baking Ovens
- Microwave Foods

Education & Science

- Research Laboratories
- Chemical & Petrochemical

Electronics

- Wave Soldering
- Circuit Board Testing
- Thermal Profiling

Plastics

- Vacuum Forming
- Extrusion
- Injection Molding

Heating & Air Conditioning

- HVAC Systems
- Energy Efficiency
- Stack Temperature

Plant Maintenance

- Boiler Hot Spots
- Energy Auditing
- Electrical Buss Bars
- Motor Performance
- Roller Temperature

Automotive

- Catalytic Converters
- Exhaust Systems
- Tire Surface Temperature
- Auto Track Temperature
- Radiators

Home Uses

- Child Safety
- Hot Tubs/ Pools

Roads & Construction

- Road Stone Dryer
- Paving Mix
- Road Asphalt Installation
- Auto Track Temperature

Textiles

- Permanent Press
- Heat Setting
- Dye Setting
- Foam Lamination
- Carpet Backing



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