



TEL-TRU MANUFACTURING COMPANY
NON-CONTACT THERMOMETERS

Tel•Fast

KEY FEATURES

- ★ Selectable °F or °C
- ★ Pocket Size Portability
- ★ Laser Sighting Available
- ★ One Second Response Time
- ★ Safe and Accurate
- ★ Resolution 1°F (1°C)
- ★ Rugged USA Quality

Hand Held Infrared
with laser sighting



World-Class Thermometers

*Since
1916*

www.teltru.com

➤ **NON-CONTACT THERMOMETERS**

The **TEL-FAST** is a hand-held, battery-operated device that safely and accurately measures temperature using non-contact infrared technology. Infrared sensors consist of optics, detector, display, and output. Special optics gather infrared energy from a target and focuses this energy onto a custom detector. The detector converts the infrared energy into an electrical signal proportionate to the temperature of the target surface being measured and is displayed as a digital temperature measurement in °F or °C within milliseconds. The **TEL-FAST** has a rugged USA made plastic design and one button operation combine for ease of use. Simply point the unit at the desired target and hold the "on" button for the temperature to display. For increased ease and accuracy the optional laser sighting feature makes aiming even more precise.

➤ **TEL-FAST SPECIFICATIONS (3:1 optics ratio)**

Includes Free Carrying Case



MODEL	TEMPERATURE RANGE
QT1 without laser	0 to 600°F (-18° to 315°C)
QTL1 with laser	0 to 600°F (-18° to 315°C)
QT3 without laser	-67 to 260°F (-55° to 125°C)
QTL3 laser	-67 to 260°F (-55° to 125°C)

Accuracy	±2% of reading or 3°F (2°C) whichever is greater
Resolution	1°F (1°C)
Response Time	1 second
Repeatability	±0.5% of reading, plus one digit
Target Size/Field of View	3:1 optics ratio with a 1" minimum target
Power Source	9-volt battery
Wavelength	8 to 14 microns
Dimensions	7.26" x 1.7" x .75"
Weight	2.7 oz. (without battery)
Emissivity	Fixed at 0.95
Laser	Class II
Warranty	1 year

➤ **TEL-FAST 2 SPECIFICATIONS (10:1 optics ratio)**



Includes Free Carrying Case

MODEL	TEMPERATURE RANGE
QT10 without laser	0 to 750°F (-18° to 399°C)
QTL10 with laser	0 to 750°F (-18° to 399°C)
QT10Z without laser	-67 to 260°F (-55° to 125°C)
QTL10Z laser	-67 to 260°F (-55° to 125°C)

Accuracy	±2% of reading or 3°F (2°C) plus one digit, whichever is greater up to 600°F Over 600°F (315°C) - 4%
Resolution	1°F (1°C)
Response Time	1 second
Operating Temperature	50° to 125°F (10° to 52°C)
Repeatability	±0.5% of reading, plus one digit
Target Size/Field of View	10:1 optics ratio with a 1" minimum target
Power Source	9-volt battery
Wavelength	8 to 14 microns
Dimensions	4.7" x 1.9" x 1.4"
Weight	3.3 oz. (without battery)
Emissivity	Fixed at 0.95
Warranty	1 year



➤ **APPLICATIONS INCLUDE:**

Automotive

- Catalytic Converters
- Exhaust Systems
- Tire Surface Temperature
- Track Temperature (Auto Racing)
- Radiators

Education & Science

- Research Laboratories
- Chemical & Petrochemical

Food Preparation

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

Electronics

- Wave Soldering
- Circuit Board Testing
- Thermal Profiling

Food Service, Restaurants, Fast Food Chains

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

Home Uses

- Child Safety (Baby bath, bottle heating, etc.)
- Hot Tubs/ Pools
- Microwaved Foods

Plant Maintenance

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

Plastics

- Vacuum Forming
- Extrusion
- Injection Molding

Roads & Construction

- Road Stone Dryer (Temperature at exit chute)
- Paving Mix
- Road Asphalt Installation

Heating & Air Conditioning

- HVAC Systems
- Residential Energy Efficiency
- Stack Temperature

Textiles

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



TEL-TRU MANUFACTURING COMPANY

408 St. Paul Street, Rochester, NY 14605 USA

Phone: 800-232-5335 • 585-232-1440 • Fax: 585-232-3857 • E-mail: info@teltru.com • Web: www.teltru.com