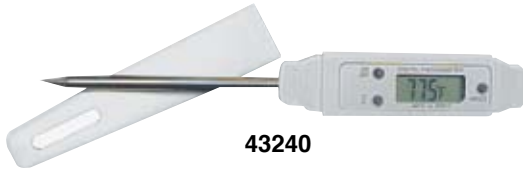


# Thermometers



43240

## Specifications

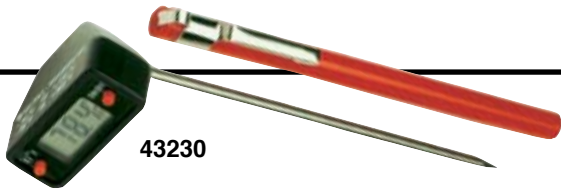
**Range** ..... -40° to 390° F (-40° to 200° C)  
**Accuracy** ..... ± 2° F between -14° and 212° F  
 ..... ± 1° C between -10° and 100° C  
 ..... Otherwise: ± 3° F (±1° C)  
**Display Resolution** ..... 0.1° F (0.1° C) throughout range  
**Battery** ..... One 1.5V x 1, Size LR44

## Digital Thermometer

This digital thermometer gives you full-feature capabilities in a case that is small enough to fit in your shirt pocket. A wide temperature range and highly accurate readings make it useful for a variety of applications.

- Accurate readings from -40° F to 390° F (±2°) and from -40° C to 200° C (±1°).
- Switch selects Celsius or Fahrenheit.
- Sampling time is just one second; HOLD button freezes display for accuracy.
- Easy-to-read display can be read even in direct sunlight.
- Durable case includes a cover to protect the probe.
- Uses one 1.5V battery; includes battery-saver mode.
- Min/Max display for reading temperature ranges.

**No. 43240** – Digital thermometer.



43230

## Specifications

**Range** ..... -58° to 302° F (-50° to 150° C)  
**Accuracy** ..... ± 2° F between -4° and 248° F  
 ..... ± 1° C between -20° and 120° C  
 ..... Otherwise: ± 4° F (±2° C)  
**Display Resolution** ..... 0.1° between -19.9 to 199.9  
 ..... otherwise 1°  
**Battery** ..... One 1.5V x 1, Size LR44  
**Automatic Power OFF** ..... After 10 minutes  
 ..... if ON/OFF is not pressed

## Swivel Head Digital Thermometer

The head on this digital thermometer swivels making it easy to see readings, at any angle. The compact size is convenient to carry and store.

- 180° swivel head makes display easier to read in tight places.
- Reliable readings over the entire temperature range.
- Readings can be toggled between Celsius and Fahrenheit.
- Sampling time is just one second.
- Durable case includes a pocket clip.
- For surface, liquid, and air temperatures.

**No. 43230** – Swivel head digital thermometer.



TIF750

## Digital Thermometer

- Large 1-1/4" diameter face with push button controls.
- Range from -58° to 302°F (-50° to 150°C).
- 5" (12.7 cm) stainless stem.
- Protector sheath with pocket clip.

**No. TIF750** – Digital thermometer.



## Dial Thermometers

All pocket thermometers come with a pocket-clip carrying case for protection and easy access. Easy-to-read faces are available in a variety of sizes and ranges.

Part No.	Temperature Range	Size
10596	-40° to + 160°F	1" dial face
10597	0° to + 220°F	1" dial face
10945	0° to + 220°F	1-3/4" dial face
40859	-40° to + 70°C	1" dial face

# ROBINAIR FLUID PRODUCTS

## Thermometers



TIF7000

### Specifications

Range	-40° to 1999° F (-40° to 1100° C)
Resolution	1° F (1° C)
Accuracy	± 1%, ± 1 digit (32° to 212° F)
Operating Temp	32° to 125° F (0° to 52° C)
Power Supply	(1) 9V battery
Battery Life	100 hours
Response Time	1-10 seconds
Warm-up Time	Instantaneous
Probe/Cord Length	36" (91.4 cm)
Dimensions	5" x 2.5" x 1" (12.7 cm x 6 cm x 2.5 cm)
Weight	5 oz. (140 grams)

### Digital Thermometer/Pyrometer

TIF manufactures a wide range of K-type digital thermometers. Packaged with a variety of probes, these fast responding, accurate thermometers are designed for rugged use.

The TIF7000, the original TIF thermometer, comes with three different probes. The first is the air probe, which can be used for instant readings of air temperatures from -40°F to over 1000°F. The second probe, the surface probe, is used for quick surface readings from -40°F to 1999°F. The immersion probe tests liquid temperature from -40°F to 500°F.

#### Features

- Field calibrateable, interchangeable probes.
- Wide sensing range.
- Universal connector.
- 9V battery powered.
- Custom fitted ABS carrying case.
- Superfast response.
- °F or °C selectable.
- One-year warranty.
- Auto zero each reading with display updates three times per second.

**No. TIF7000** – Digital thermometer/pyrometer.

**No. TIF7500A** – Includes the penetration probe (TIF7010 Only).

**No. TIF7000TP** – (TIF7002, TIF7003, TIF7008)

**No. TIF7005** – Coil cord.

**No. TIF7006** – Carrying case.

#### Accessory Probes

**No. TIF7002** – Surface.

**No. TIF7003** – Air.

**No. TIF7004** – Immersion.

**No. TIF7007** – Superheat.

**No. TIF7008** – Tire.

**No. TIF7009** – General purpose.

**No. TIF7010** – Penetration.



TIF7050

### Specifications

Range	-40° to 450° F (-40° to 232° C)
Resolution	1° F (1° C)
Accuracy	± 1%, ± 1 digit (32° to 212° F)
Operating Temp	32° to 125° F (0° to 52° C)
Power Supply	(1) 9V battery
Battery Life	100 hours
Response Time	2 seconds
Warm-up Time	Instantaneous
Probe/Cord Length	36" (91.4 cm)
Dimensions	5" x 2.5" x 1" (12.7 cm x 6 cm x 2.5 cm)
Weight	5 oz. (140 grams)

### Digital Thermometer/Pyrometer "Racing Kit"

Whether racing is your hobby or your profession, you need to have the TIF7050. This is the first digital pyrometer to combine laboratory technology with speed. The tire probe (included) allows quick temperature readings across the entire tread width. Instant temperature readings provide information on your tire's contact patch for camber, stagger, and/or shock adjustments.

#### Features

- Probe, display, connector cord, and a high impact carrying case.
- Super fast settling time.
- Switch selector for °F/°C.
- Display updates three times per second.
- ± 1% accuracy.

**No. TIF7050** – Digital thermometer/pyrometer "Racing Kit."

**No. TIF7005** – Coil cord.

Ross Air Works

[www.rossairworks.com](http://www.rossairworks.com)

800-290-9798



# ROBINAIR FLUID PRODUCTS

## Thermometers

### TIF7620, TIF7612, TIF7610 IR Thermometer PRO

- Complete IR design is incorporated inside of a single chip, reducing space and creating a compact and light weight product.
- Innovative optical lens – accurate measurements; wide temperature range.
- Laser pointer – Easy to define the target area to be measured.
- Extend temperature – TIF7612 and TIF7620 have a thermocouple interface that can extend the temperature up to 1999°F.
- Simple and easy to operate – Simply point at desired target and press the trigger button for a temperature reading.
- Set alarm temperatures (Low and High Temperatures) to receive alert information when the you are measured out of the range (TIF7612 and TIF7620 only).
- (MAX), (MIN), Difference between MAX and MIN (DIF), and average (AVG) modes are available in TIF7612 and TIF7620.
- The new TIF IR thermometers incorporate visual low battery indication and simple operation of two “AAA” batteries.



Specification	TIF7610	TIF7612	TIF7620
Measurement Range	-76 to +932°F (-60 to +500°C)	-76 to +932°F (-60 to +500°C)	-76 to +1400°F (-60 to +760°C)
Thermocouple Measurement Range	N/A	83.2 to +1999°F (-64 to +1400°C)	
Accuracy: Tobj=59°-95°F (15-35°C) Tamb=77°F (25°C)	±1.8°F (1.0°C)		
Accuracy: Tobj= -27-932°F (-33-500°C) Tamb= 73°F ±5°F (23 ± 3°C)	±2% of reading or 4°F (2°C) whichever is greater		
Thermocouple Accuracy	N/A	±1% of reading or 1.8°F (1°C) whichever is greater (Test under Tamb=73±11°F[23±6°C])	
Emissivity	0.95 fixed	Adjustable	
Resolution: 14.2° F~199.9° F (-9.9~199.9°C)	0.1°F/0.1°C (1° below 9.9 and above 199.9)		
Spectral Response	5 ~ 14μm	8 ~ 14μm	
Response Time (90%)	.5 sec		
Distance:Spot	10:1	12:1	20:1
Battery Life	Typ.18 hours		
Dimensions	175.2 x 39.0 x 71.9mm		
Weight	179 grams including batteries (AAA*2pcs)		

### TIF7201 Pocket IR Thermometer

- System-on-a-Chip SoC technology: compact and lightweight
- Backlit LCD display w/ dual readings
- °C / °F Switch and MAX function
- Auto power off after 15 sec.
- Battery level indication
- Distance to spot (D/S): 1:1

#### Applications:

- Automotive • Electrical
- General home use • HVAC/R



TIF7201



Ross Air Works

[www.rossairworks.com](http://www.rossairworks.com)

TIF7201D

800-290-9798

Available in 4pk. display: TIF7201D  
(Includes 4 of the TIF7201)

