

**FLUKE®**

# Non-contact Thermometers

from the #1 name in test tools

Industrial infrared thermometers for every application



62 Mini



576

574

572



63

66

68

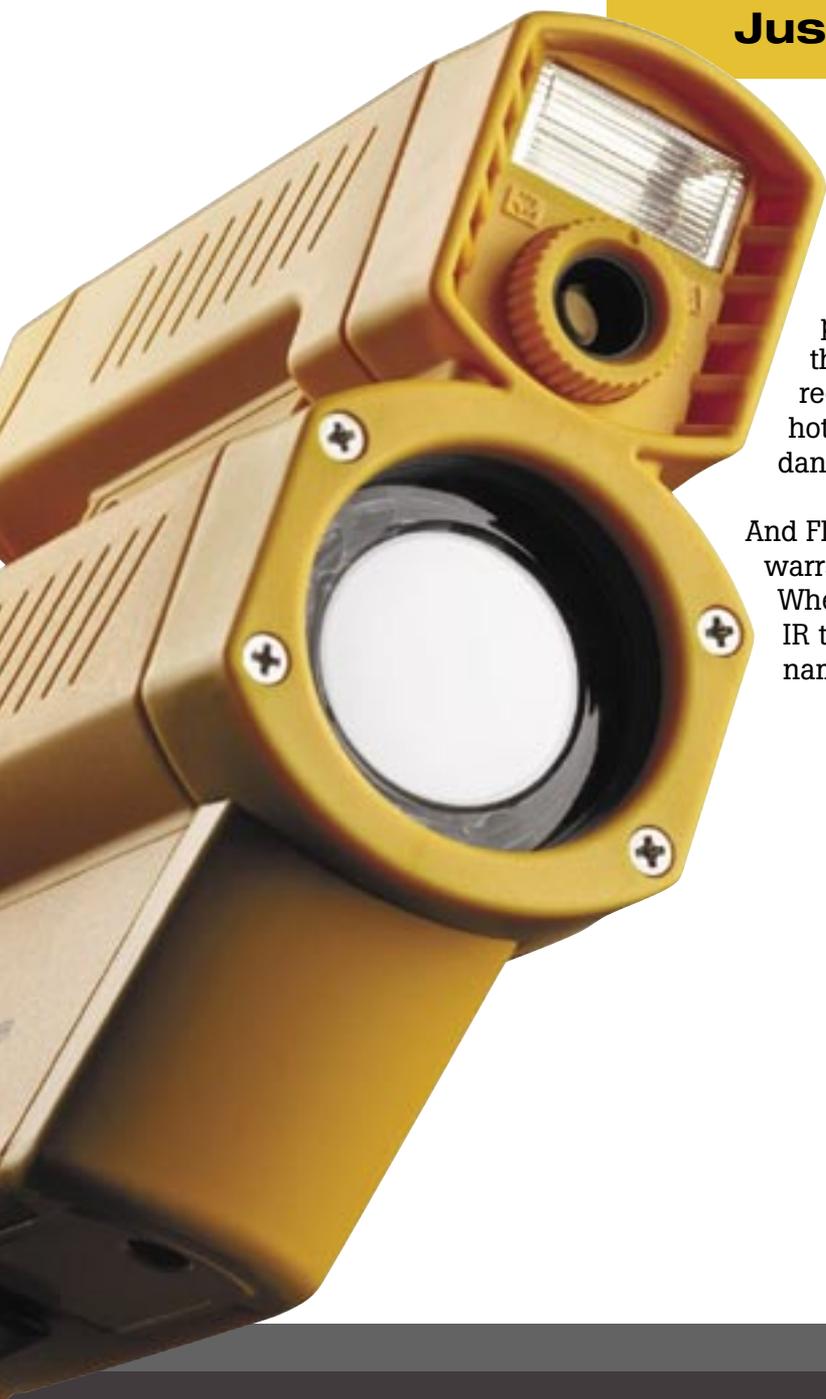
You will find all the information you need in this brochure to order and promote the newest non-contact infrared thermometers from Fluke.

# Professional non-contact infrared thermometers

**Just point and shoot.**

Fluke offers a full line of industrial non-contact infrared (IR) thermometers for a complete range of applications. From quickly identifying hot and cold spots for routine troubleshooting to monitoring, logging, and analyzing precise temperature as part of a predictive maintenance program, Fluke has the right tool for the job—even when the job requires measuring the temperature of very hot, very cold, hard-to-reach, moving, distant or dangerous objects.

And Fluke backs its tools with the industry's best warranty and highest rated customer service. When professional technicians need industrial IR thermometers, they come to the number one name in test tools.





**Key markets:**

- **Predictive and preventive maintenance**  
Electrical and mechanical equipment monitoring
- **HVAC/R**  
Residential and commercial troubleshooting
- **Process monitoring**  
Product quality assurance
- **Construction**  
Building inspections
- **Petrochemical applications and hazardous locations**  
Mechanically, thermally or chemically hostile environments

**Temperature measurement techniques:**

- **Spot:** determine the absolute surface temperature of a given spot on an object
- **Temperature differential:** compare two spot measurements against each other
- **Scanning:** detect changes along a wide or continuous target region



# Fluke 62 Mini

For quick, basic temperature checks in applications where the technician is close to the target, there's nothing simpler than using a Fluke 62 Mini—just aim the laser sighting at the center of your target, pull the trigger, and read the temperature on the large, backlit LCD. Rugged enough for industrial environments with its protective rubber “boot”, the 62 Mini also comes with a handy storage pouch that can be snapped to your belt, keeping quick temperature checks at your fingertips.



Model	Fluke 62 Mini
Temperature range	-30 to 500 °C (-20 to 932 °F)
D:S (Distance to spot size) at 80% energy	10:1
Laser sighting	Single point, offset
Emissivity	Preset 0.95
Accuracy (Assumes ambient operating temperature of 23 °C [73 °F])	± 1 °C (2 °F) from 10 °C to 30 °C (50 °F to 86 °F), ± 1.5% of reading or ± 1.5 °C (3 °F) (whichever is greater over the balance of the range)
Response time	500 mSec
Nylon holster	•
Weight and dimensions	200 g (7 oz) and 152 x 101 x 38 mm (6 x 4 x 1.5 in)
Power	9 V alkaline or NiCD battery
Battery life (alkaline)	12 hours
Display hold	7 seconds
LCD backlit	•
Warranty	2 years, conditional



## Included with the 62 Mini IR thermometer

The Fluke 62 Mini IR thermometer includes a 9 V alkaline battery, illustrated user's guide, protective boot and convenient storage pouch.



## Ordering information

To order Fluke products, please fax purchase orders to 1-425-446-5844. Call 1-800-757-5747 for questions on orders. Order status inquiry is available on the Fluke Partner Portal. Please refer to the instructions on the back panel to register for access to the Partner Portal.

Fluke Model #	Fluke Oracle #	UPC Code	Description	Height (Metric/English)	Length (Metric/English)	Width (Metric/English)	Weight (Metric/English)	Country of origin	US List Price
FLUKE-62	2433868	0 95969 29112 5	Infrared Thermometer	235 mm/ 9.25 in	165 mm/ 6.5 in	64 mm/ 2.5 in	0.270 kg / 0.60 lb	China	\$99

# Fluke 63, 66 and 68

Professional technicians select the rugged Fluke 63, 66 or 68 IR thermometers for maintenance diagnostics in demanding environments. The durability, optical resolution, accuracy and extended temperature ranges make the Fluke 63, 66 and 68 the maintenance technician's preferred choice for daily MRO tasks. For special surfaces such as concrete tiles or lead, the Fluke 66 and 68 offer adjustable emissivity.



Model	Fluke 63	Fluke 66	Fluke 68
Temperature range	-32 to 535 °C (-25 to 999 °F)	-32 to 600 °C (-25 to 1100 °F)	-32 to 760 °C (-20 to 1400 °F)
D:S (Distance to spot size) at 90% energy	12:1	30:1	50:1
Laser sighting	Single point, offset		
Emissivity	Preset 0.95	Adjustable	
Accuracy (Assumes ambient operating temperature of 23 °C [73 °F])	± 1 % of reading or ± 1 °C (± 2 °F), (whichever is greater over the balance of the range)		
Response time	500 mSec		
MAX, MIN, DIF and AVG temperatures	MAX only	All	
Recall last reading		•	
HI/LO alarm		•	
Protective hard case		•	
Weight and dimensions	320 g (11 oz) and 200 x 160 x 55 mm (8 x 6 x 2 in)		
Power	9 V alkaline		
Battery life (alkaline)	20 hours with laser and backlight on 50% (Fluke 63) 40 hours with laser and backlight off (Fluke 66/68)		
Display hold	7 seconds		
LCD backlit		•	
Warranty	2 years, conditional		

## Included with the 63, 66 and 68 IR thermometers

The 63, 66 and 68 IR thermometers include 9 V alkaline battery, operator's guide, CD-ROM with user's manual and a durable hard case.



## Accessories

### 80PR 60 RTD Temperature Probe

- Take both contact and non-contact readings at the same time (thermometer displays results concurrently)
- Temperature range: -40 to 260 °C (-40 to 500 °F); accuracy ± 1 °C (± 2 °F); probe length: 9 cm (3.5 in); probe diameter: 4.8 mm (.187 in); cable length: 1 m (40 in)



### H6 Infrared Thermometer Holster

- Durable nylon holster specially designed for Fluke 63, 66 or 68 units
- Snap-on loop attaches to belt
- Velcro closures provide quick access and secure storage



## Ordering information

To order Fluke products, please fax purchase orders to 1-425-446-5844. Call 1-800-757-5747 for questions on orders. Order status inquiry is available on the Fluke Partner Portal. Please refer to the instructions on the back panel to register for access to the Partner Portal.

Fluke Model #	Fluke Oracle #	UPC Code	Description	Height (Metric / English)	Length (Metric / English)	Width (Metric / English)	Weight (Metric / English)	Country of origin	US List Price
Fluke-63	2148281	0 95969 26114 2	Infrared Thermometer	25.4 cm/10 in	19.1 cm/7.5 in	6.9 cm/2.75 in	0.9370 kg/ 2.06555 lb	China	\$209
Fluke-66	2148296	0 95969 26115 9	Adjustable Infrared Thermometer	25.4 cm/10 in	19.1 cm/7.5 in	6.9 cm/2.75 in	0.9370 kg/ 2.06555 lb	China	\$389
Fluke-68	2148308	0 95969 26116 6	Adjustable Infrared Thermometer	25.4 cm/10 in	19.1 cm/7.5 in	6.9 cm/2.75 in	0.9370 kg/ 2.06555 lb	China	\$499
80PR-60	2148313	0 95969 26117 3	RTD Probe used on the Fluke 66/68	30.2 cm/11.8 in	9.8 cm/3.8 in	2.9 cm/1.1 in	0.0528 kg/ 0.1165 lb	China	\$50
H6	2152040	0 95969 26188 3	Holster used on the Fluke 63/66/68	30.2 cm/11.8 in	5.7 cm/2.25 in	17.8 cm/7 in	0.1494 kg/ 0.3295 lb	China	\$20

# Fluke 572 and 574

More demanding applications require more precise measurement and specialized features. That's when predictive maintenance professionals reach for the Fluke 570 series. An even wider temperature range, more powerful optics, a more precise sighting system, faster response time and adjustable emissivity make the 570 series the most accurate IR thermometer on the market.

## Advanced sighting

An extra bright coaxial three-dot laser sighting highlights the center and diameter of the measurement spot. The laser sighting appears twice as bright to the human eye as a standard laser sighting (while maintaining the same safety rating as less bright lasers), making accurate sighting easier in a variety of lighting conditions and distances.



## Additional features of the 574

For maintenance professionals who need to monitor, capture, analyze and report temperatures and temperature trends, the 574 comes with 100-point onboard data logging capabilities, customizable log location names, programmable emissivity settings and PC software for condition monitoring and process control.

Model	Fluke 572	Fluke 574	Fluke 574-NI
Temperature Range	-30 to 900 °C (-25 to 1600 °F)		
D:S (Distance to spot size) at 90% energy	60:1 [50:1 with close focus option (close focus not available with NI model)]		
Laser sighting	extra bright* 3-dot, coaxial (*twice as bright as perceived by the human eye, while maintaining the same safety rating as less bright lasers)		
Emissivity	Adjustable		
Accuracy (Assumes ambient operating temperature of 23 °C [73 °F])	± 0.75 % of reading or ± 0.75 °C (± 1.5 °F) (whichever is greater over the balance of the range)		
Response time	250 mSec		
Display hold (7 seconds)	•	•	•
LCD backlit	•	•	•
MAX, MIN temperatures	•	•	•
DIF, AVG temperatures		•	•
HI alarm	•	•	•
LO alarm		•	•
Bar graph display	•	•	•
100-point data logging		•	•
Data graphing software			
(Windows XP, NT, 2000 compatible, RS232 port required)		•	•
Protective hard case	•	•	•
Weight and dimensions	472 g (1 lb 1 oz.) and 16.7 x 5 x 19.8 cm (6.58 x 1.97 x 7.8 in)	480 g (1 lb 1 oz) and 16.7 x 5 x 19.8 cm (6.58 x 1.97 x 7.8 in)	
Power	2 AA Batteries	2 AA Batteries/AC adapter	
Battery life (alkaline)	13 hours with laser and backlight on 50%		
Warranty	2 years, conditional		

## Software for condition monitoring and process control (574)

- Graph measurements to visually review trends of up to five log locations
- Tailor high/low alarms per inspection location
- Create and customize recognizable names and emissivity values for each location
- Store up to 10,000 data points on a PC
- Export data for integration with Maintenance, Repair and Operations (MRO) systems

## Included with the 572 and 574 IR thermometers

572 and 574 IR thermometers include 2 AA batteries, user's manual, and a durable hard case. The 574 also includes AC power supply, thermocouple K, RS 232 cable and condition monitoring software.



## Options

### Nonincendive (574)

Intended for use in hazardous locations, the Fluke 574-NI unit does not release enough electrical or thermal energy to ignite flammable gasses or vapors under normal operational and environmental conditions (Factory Mutual, a USA organization, approved as Class I, Division 2 nonincendive device).

### Close Focus

The 574-CF and 572-CF measure temperature in very small areas (necessary in specialized applications). [6 mm (.24 in) at 300 mm (11.4 in)]. Close Focus 574-NI not available

### NIST/DKD Traceable

### Calibration Certificate

All models may be ordered with an optional NIST traceable calibration certificate.

## Accessories

### Holster with Belt Clip

Durable padded holster specially designed for Fluke 570 series IR thermometers



### Analog Cable

Used for MV/degree output (574)



## Ordering information

To order Fluke products, please fax purchase orders to 1-425-446-5844. Call 1-800-757-5747 for questions on orders. Order status inquiry is available on the Fluke Partner Portal. Please refer to the instructions on the back panel to register for access to the Partner Portal.

Fluke Model #	Fluke Oracle #	UPC Code	Description	Height (Metric/English)	Length (Metric/English)	Width (Metric / English)	Weight (Metric / English)	Country of origin	US List Price
Fluke-572	2436583	0 95969 29157 6	Precision Infrared Thermometer	22.9 cm/ 9 in	27.7 cm/ 10.4 in	8.4 cm/ 3.3 in	1.1 kg/ 2.43 lb	Germany	\$710
Fluke-572-CF	2436601	0 95969 29159 0	Precision Infrared Thermometer w/Close Focus	22.9 cm/ 9 in	27.7 cm/ 10.4 in	8.4 cm/ 3.3 in	1.1 kg/ 2.43 lb	Germany	\$710
Fluke-574	2436612	0 95969 29160 6	Precision Infrared Thermometer w/logging software	29.9 cm/ 11.8 in	39.2 cm/ 15.4 in	11 cm/ 4.3 in	2.22 kg/ 4.88 lb	Germany	\$1095
Fluke-574-CF	2436647	0 95969 29163 7	Precision Infrared Thermometer w/Close Focus	29.9 cm/ 11.8 in	39.2 cm/ 15.4 in	11 cm/ 4.3 in	2.22 kg/ 4.88 lb	Germany	\$1095
Fluke-574-NI	2436620	0 95969 29161 3	Precision Infrared Thermometer w/logging software Nonincendive	29.9 cm/ 11.8 in	39.2 cm/ 15.4 in	11 cm/ 4.3 in	2.22 kg/ 4.88 lb	Germany	\$2195
C570	2436565	0 95969 29155 2	Soft Case	25 cm/ 10 in	17.8 cm/ 7 in	6 cm/ 2.3 in	.163 kg/ .36 lb	Poland	\$35
AN5	2437178	0 95969 29170 5	Cable Analog Output	2.5 cm/ .98 in	1.5 m/ 5 ft	14 cm/ 5.5 in	.055 kg/ .121 lb	Germany	\$50

# Fluke 576



For the most complete temperature documentation solution, predictive maintenance professionals use the Fluke 576 photographic infrared thermometer. In addition to all the features found in the 574 precision IR thermometer, including advanced extra bright coaxial three-dot laser sighting system; 100-point data logging; customizable log names; programmable emissivity values; and monitoring, analysis, and reporting software, the Fluke 576 also integrates a digital camera for photographic documentation.

## Fluke 576 photo documentation

Simultaneously measure temperature and digitally photograph the target and its surroundings. A wealth of data is instantly captured in a digital photo: time and date stamp, temperature data and location name. Photos and data are easily downloaded into the accompanying PC software. The addition of the photos helps to enhance reports, to more explicitly communicate problem areas with repair personnel, and to ensure consistency when taking repeated measurements over time when looking for equipment condition trends.



Model	Fluke 576
Temperature Range	-30 to 900 °C (-25 to 1600 °F)
D:S (Distance to spot size) at 90% energy	60:1 (50:1 with Close Focus option)
Laser sighting	3-dot, coaxial
Emissivity	Adjustable
Accuracy (Assumes ambient operating temperature of 23 °C [73 °F])	± 0.75 % of reading or ± 0.75 °C (± 1.5 °F) (whichever is greater over the balance of the range)
Response time	250 mSec
Display hold (7 seconds)	•
LCD backlit	•
MAX, MIN, DIF, AVG temperatures	•
HI/LO alarm	•
Bar graph display	•
100-points data logging	•
Maximum number of 640 x 480 pixel photos (VGA)	26
Maximum number of 320 x 240 pixel photos (VGA)	100
Data graphing & photo viewing software (Windows XP and 2000 compatible) USB required	•
Image file format	.jpg files
Protective hard case	•
Weight and dimensions	580 g (1 lb 4 oz) and 16.7 x 5 x 23.8 cm (6.58 x 1.97 x 9.57 in)
Power	2 AA Batteries / USB
Battery life (alkaline)	8 hours (13 hours with photographic mode off) 50 photos w/flash; 200 photos without flash
Warranty	2 years, conditional

**Software for condition monitoring and process control**

- Scan thumbnails of measurement photos
- Paste .jpg files showing photo of each object measured with measurement data, date and time into reports
- Continually monitor temperature, taking photos at alarm violations (while connected to PC)

**Included with every 576 IR thermometer**

The 576 infrared thermometer includes 2 AA batteries, a durable hard case, operator's guide on CD, thermocouple K probe, software and USB computer cable.



**Options**

**Close Focus**

The Fluke 576 may be ordered in a close focus model to measure very small areas (necessary in specialized applications) [6 mm (.24 in) at 300 mm (11.4 in)].

**NIST/DKD Traceable Calibration Certificate**

All models may be ordered with an optional NIST traceable calibration certificate.

**Accessories**

**Infrared Thermometer Holster with Belt Clip**

- Durable holster specially designed for Fluke 570 series
- Padded for increased instrument protection



**Analog Cable**

For mv/degree output



**Ordering information**

To order Fluke products, please fax purchase orders to 1-425-446-5844. Call 1-800-757-5747 for questions on orders. Order status inquiry is available on the Fluke Partner Portal. Please refer to the instructions on the back panel to register for access to the Partner Portal.

Fluke Model #	Fluke Oracle #	UPC Code	Description	Height (Metric / English)	Length (Metric / English)	Width (Metric / English)	Weight (Metric / English)	Country of origin	US List Price
Fluke-576	2436658	0 95969 29164 4	Precision Photographic Infrared Thermometer w/logging software	29.9 cm/ 11.8 in	39.2 cm/ 15.4 in	11 cm/ 4.3 in	2.07 kg/ 4.57 lb	Germany	\$1695
Fluke-576-CF	2436673	0 95969 29166 8	Precision Photographic Infrared Thermometer w/logging software	29.9 cm/ 11.8 in	39.2 cm/ 15.4 in	11 cm/ 4.3 in	2.07 kg/ 4.57 lb	Germany	\$1695
C570	2436565	0 95969 29155 2	Soft Case	25 cm/ 10 in	17.8 cm/ 7 in	6 cm/ 2.3 in	.163 kg/ .36 lb	Poland	\$35
AN5	24327178	0 95969 29170 5	Cable Analog Output	2.5 cm/ .98 in	1.5 m 5 ft	14 cm/ 5.5 in	.055 kg/ .121 lb	Germany	\$50

## Get the information you need to market these products instantly from the Fluke Partner Portal

### Download digital files and information to support these products from the Fluke Partner Portal, including:

- Product data sheets
- Press releases
- Photos
- Order status inquiry

If you have not already registered for access to the Fluke Partner Portal, please go to <https://support.fluke.com> and select Partner Portal: Fluke Industrial Tools from the pull-down menu, then click register. Complete the registration form and submit it. Your submittal will be approved within 48 hours, at which time you will receive a confirming e-mail with a reminder of the user name and password you selected. Only Fluke distributors and sales staff, not end-customers, may access the Fluke Partner Portal.

## Promotional tools

To order, call the Fluke literature department at (206) 340-0773. Orders may be e-mailed to [flukeliterature@dcgwest.com](mailto:flukeliterature@dcgwest.com)

Description	Literature Code
Fluke 62 Mini Product Data Sheet	2437622
Fluke 63 Product Data Sheet	2150511
Fluke 66 and 68 Product Data Sheet	2153543
Fluke 572, 574 and 574-NI Product Data Sheet	2437646
Fluke 576 Product Data Sheet	2437668
Infrared Thermometry Q and A	2437125

**FLUKE**®

**Fluke Corporation**  
PO Box 9090,  
Everett, WA 98206-9090  
USA

**Fluke.** *Keeping your world up and running.*

**Fluke Corporation**  
PO Box 9090, Everett, WA USA 98206

Fluke Europe B.V.  
PO Box 1186, 5602 BD  
Eindhoven, The Netherlands

For more information call:  
In the U.S.A. (800) 443-5853 or  
Fax (425) 446-5116 or  
Europe/M-East/Africa (31 40) 2675 200 or  
Fax (31 40) 2 675 222 or  
Canada (800) 36-FLUKE or  
Fax (905) 890-6866  
Other countries (425) 446-5500 or  
Fax (425) 446-5116  
Web access: <http://www.fluke.com>

©2005 Fluke Corporation. All rights reserved.  
Specifications subject to change without notice.  
Printed in U.S.A. 4/2005 2437631 B-US-N Rev A