

## The Fluke 63 Infrared Thermometer

#### Non-contact temperature measurement

#### **Technical Data**

#### The professional's diagnostic tool

The Fluke 63 non-contact thermometer is the ideal professional diagnostic tool for quick and accurate temperature measurements. This handheld portable tool enables professionals to research heating and ventilation problems, monitor the status of electrical motors and electrical panels and diagnose car malfunctions with ease.

#### Features include:

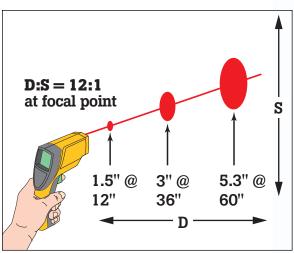
- Expanded measurement range up to 535 °C (999 °F)
- High-resolution optics
- High accuracy: 1 % and repeatability: 0.5 %
- MAX temperature display
- · Laser targeting
- · Backlit display

The Fluke 63 thermometer makes troubleshooting quick and easy. The single dot laser sighting system guides measurements to the right target and in less than a second, the large temperature display provides current and MAX surface temperatures. The locking trigger and tripod mount capability allow for continuous temperature monitoring.

#### **Optical resolution**

The single dot laser sighting system guides measurements to the right target and indicates the approximate center of the measurement area.

D:S (distance to spot using 90 % encircled energy at focal point.)



Use the Fluke 63 within six feet of the intended target. At greater distances, the measured area will be larger (approximately the distance divided by 12). The Fluke 63 offset single-point laser indicates the approximate center of the measurement area.





#### **Specifications**

Temperature range		
(Assumes ambient operating temperature of 23 °C (73 °F): ±2.5 °C (±4 °F) -18 to 23 °C (0 to 73 °F): ±2.5 °C (±4 °F) 23 to 510 °C (73 to 950 °F): ±1 % of reading or ±1 °C (±2 °F), whichever is greater Above 510 °C (950 °F): ±1.5 % of reading or ±1 °C (±2 °F), whichever is greater Above 510 °C (950 °F): ±1.5 % of reading or ±0.5 % or ≤±1 °C (±2 °F), whichever is greater Response time ≤0.5 second (95 % of reading)  Spectral response 8 to 14 µm  Emissivity Pre-set at 0.95  Ambient operating temp 0 to 50 °C (32 to 120 °F)  Relative humidity 10 to 90 %  Storage temperature -20 to 60 °C (-13 to 158 °F) without battery Dimensions 200 x 160 x 55 mm (8 x 6 x 2 in.)  Weight 320 g (11 oz.)  Power 9 V alkaline or NiCd battery  Batter life (alkaline) 10 hours with laser and backlight on 40 hours with laser and backlight off  Typical distance to target Up to 2 m (6 ft.)  Distance to Spot ratio 12:1  Max temperature display •  Display hold (7 seconds) •  LCD backlit •  Temperature display 0.2 °C (0.5 °F)  Hard carrying case •  Tripod mounting •	Temperature range	-32 to 535 °C (-25 to 999 °F)
Response time       ≤ 0.5 second (95 % of reading)         Spectral response       8 to 14 μm         Emissivity       Pre-set at 0.95         Ambient operating temp       0 to 50 °C (32 to 120 °F)         Relative humidity       10 to 90 %         Storage temperature       -20 to 60 °C (-13 to 158 °F) without battery         Dimensions       200 x 160 x 55 mm (8 x 6 x 2 in.)         Weight       320 g (11 oz.)         Power       9 V alkaline or NiCd battery         Batter life (alkaline)       10 hours with laser and backlight on 40 hours with laser and backlight off         Typical distance to target       Up to 2 m (6 ft.)         Distance to Spot ratio       12:1         Max temperature display       •         Display hold (7 seconds)       •         LCD backlit       •         Temperature display       °C or °F selectable         Display resolution       0.2 °C (0.5 °F)         Hard carrying case       •         Tripod mounting       •	(Assumes ambient operating temperature	-26 to -18 °C (-15 to 0 °F): ±2.5 °C (±4 °F) -18 to 23 °C (0 to 73 °F): ±2 °C (±3 °F) 23 to 510 °C (73 to 950 °F): ±1 % of reading or ±1 °C (±2 °F), whichever is greater
Spectral response 8 to 14 µm  Emissivity Pre-set at 0.95  Ambient operating temp 0 to 50 °C (32 to 120 °F)  Relative humidity 10 to 90 %  Storage temperature -20 to 60 °C (-13 to 158 °F) without battery  Dimensions 200 x 160 x 55 mm (8 x 6 x 2 in.)  Weight 320 g (11 oz.)  Power 9 V alkaline or NiCd battery  Batter life (alkaline) 10 hours with laser and backlight on 40 hours with laser and backlight off  Typical distance to target Up to 2 m (6 ft.)  Distance to Spot ratio 12:1  Max temperature display •  Display hold (7 seconds) •  LCD backlit •  Temperature display °C or °F selectable  Display resolution 0.2 °C (0.5 °F)  Hard carrying case •  Tripod mounting •	Repeatability	$\pm 0.5$ % or $\leq \pm 1$ °C ( $\pm 2$ °F), whichever is greater
Emissivity  Ambient operating temp  Relative humidity  Storage temperature  Dimensions  200 x 160 x 55 mm (8 x 6 x 2 in.)  Weight  Power  Batter life (alkaline)  Typical distance to target  Distance to Spot ratio  Max temperature display  Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  Typical mounting  Pre-set at 0.95  0 to 50 °C (32 to 120 °F)  Alkaline or Nico 158 °F) without battery  Distance 10 x 55 mm (8 x 6 x 2 in.)  9 V alkaline or Nico battery  9 V alkaline or Nico battery  10 hours with laser and backlight on 40 hours with laser and backlight off  12:1  Max temperature display  Occ or °F selectable  Occ or °F selectable  Temperature display  Tripod mounting  •	Response time	≤ 0.5 second (95 % of reading)
Ambient operating temp Relative humidity 10 to 90 % Storage temperature -20 to 60 °C (-13 to 158 °F) without battery Dimensions 200 x 160 x 55 mm (8 x 6 x 2 in.) Weight 320 g (11 oz.) Power 9 V alkaline or NiCd battery Batter life (alkaline) 10 hours with laser and backlight on 40 hours with laser and backlight off Typical distance to target Distance to Spot ratio Max temperature display Display hold (7 seconds) LCD backlit Temperature display Display resolution 0.2 °C or °F selectable Tripod mounting  •	Spectral response	8 to 14 μm
Relative humidity  Storage temperature  -20 to 60 °C (-13 to 158 °F) without battery  Dimensions  200 x 160 x 55 mm (8 x 6 x 2 in.)  Weight  320 g (11 oz.)  Power  Batter life (alkaline)  10 hours with laser and backlight on 40 hours with laser and backlight off  Typical distance to target  Distance to Spot ratio  Max temperature display  Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  0.2 °C (0.5 °F)  Hard carrying case  Tripod mounting	Emissivity	Pre-set at 0.95
Storage temperature  Dimensions  200 x 160 x 55 mm (8 x 6 x 2 in.)  Weight  Power  Batter life (alkaline)  Typical distance to target  Distance to Spot ratio  Max temperature display  Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  Distance to spot ratio  CC or °F selectable  Display resolution  Display resolution  O.2 °C (0.5 °F)  Hard carrying case  Tripod mounting	Ambient operating temp	O to 50 °C (32 to 120 °F)
Dimensions  200 x 160 x 55 mm (8 x 6 x 2 in.)  Weight  320 g (11 oz.)  Power  Batter life (alkaline)  10 hours with laser and backlight on 40 hours with laser and backlight off  Typical distance to target  Distance to Spot ratio  Max temperature display  Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  0.2 °C (0.5 °F)  Hard carrying case  Tripod mounting	Relative humidity	10 to 90 %
Weight 320 g (11 oz.)  Power 9 V alkaline or NiCd battery  Batter life (alkaline) 10 hours with laser and backlight on 40 hours with laser and backlight off  Typical distance to target Up to 2 m (6 ft.)  Distance to Spot ratio 12:1  Max temperature display •  Display hold (7 seconds) •  LCD backlit •  Temperature display °C or °F selectable  Display resolution 0.2 °C (0.5 °F)  Hard carrying case •  Tripod mounting •	Storage temperature	-20 to 60 °C (-13 to 158 °F) without battery
Power 9 V alkaline or NiCd battery  Batter life (alkaline) 10 hours with laser and backlight on 40 hours with laser and backlight off  Typical distance to target Up to 2 m (6 ft.)  Distance to Spot ratio 12:1  Max temperature display •  Display hold (7 seconds) •  LCD backlit •  Temperature display °C or °F selectable  Display resolution 0.2 °C (0.5 °F)  Hard carrying case •  Tripod mounting •	Dimensions	200 x 160 x 55 mm (8 x 6 x 2 in.)
Batter life (alkaline)  Batter life (alkaline)  10 hours with laser and backlight on 40 hours with laser and backlight off  Typical distance to target  Distance to Spot ratio  12:1  Max temperature display  Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  0.2 °C (0.5 °F)  Hard carrying case  Tripod mounting	Weight	320 g (11 oz.)
Typical distance to target  Distance to Spot ratio  Max temperature display  Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  Display resolution  Tripod mounting  40 hours with laser and backlight off  12:1  40 hours with laser and backlight off  (C or °F telectable)  0.2 °C (0.5 °F)  41 do nours with laser and backlight off  (D or °F telectable)  (C or °F selectable)  (C or °F selectable)  (C or °F selectable)	Power	9 V alkaline or NiCd battery
Distance to Spot ratio  Max temperature display  Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  O.2 °C (0.5 °F)  Hard carrying case  Tripod mounting	Batter life (alkaline)	
Max temperature display  Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  O.2 °C (0.5 °F)  Hard carrying case  Tripod mounting  •	Typical distance to target	Up to 2 m (6 ft.)
Display hold (7 seconds)  LCD backlit  Temperature display  Display resolution  O.2 °C (0.5 °F)  Hard carrying case  Tripod mounting  •	Distance to Spot ratio	12:1
LCD backlit  Temperature display  Oc or °F selectable  Display resolution  Oc or °F selectable  Occ or °F selectable	Max temperature display	•
Temperature display  Display resolution  O.2 °C (0.5 °F)  Hard carrying case  Tripod mounting  °C or °F selectable  0.2 °C (0.5 °F)  •	Display hold (7 seconds)	•
Display resolution 0.2 °C (0.5 °F)  Hard carrying case •  Tripod mounting •	LCD backlit	•
Hard carrying case • Tripod mounting •	Temperature display	°C or °F selectable
Tripod mounting •	Display resolution	0.2 °C (0.5 °F)
	Hard carrying case	•
Warranty 2 years, conditional	Tripod mounting	•
	Warranty	2 years, conditional

#### **Optional accessories:**

• Non-contact thermometer holster



#### **Ordering information**

Fluke 63 Infrared Thermometer

#### **Included**



#### **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 In Europe/M-East/Africa (31 40) 2 675 200 or Fax (31 40) 2 675 222 In Canada (800) 36-FLUKE or Fax (905) 890-6866 From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116 Web access: http://www.fluke.com

©2005 Fluke Corporation. All rights reserved. Printed in U.S.A. 4/2005 2150511 D-ENG-N Rev B

# AMEYA360 Components Supply Platform

#### **Authorized Distribution Brand:**

























#### Website:

Welcome to visit www.ameya360.com

#### Contact Us:

#### Address:

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd Minhang District, Shanghai , China

#### Sales:

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

#### Customer Service :

Email service@ameya360.com

### Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com