

OPERATION MANUAL

Infrared thermometer Flashbeam 8869

Description



Product description

The infrared thermometer FlashBeam 8869 is a handy and precise device for contactless temperature measurements. It's features are:

- Laser sight
- Switchable between °C / °F
- Automatic Hold function
- Automatic switch-off
- Illuminated display
- Fixed emissivity
- Battery change indicator

Safety

- Use extreme caution when the laser beam is turned on.
- Do not let the beam enter your eye, another person's eye or the eye of an animal.
- Be careful not to let the beam on a reflective surface strike your eye.
- Do not allow the laser light beam impinge on any gas which can explode.

Operating elements



Operating element	Description
Power ON/OFF	The meter automatically powers when the ON/HOLD key is pressed. Press the MEASURE key to take a reading. Read the measured temperature on the LCD. The meter powers OFF automatically approximately 5 seconds after the ON/HOLD key is released.
Selecting Temperature units (°C/°F)	Select temperature units (degrees C or F) by first pressing the ON/HOLD key and then pressing the °C/°F key. The units will blink on the LCD. Press the °C/°F key until the desired units are shown on the LCD.
Data Hold	This meter automatically holds the last temperature reading on the LCD for five seconds after the ON/HOLD key is released. No extra key presses are necessary to freeze the displayed reading.
Backlite LCD	Select backlite by first pressing the ON/HOLD key and then pressing the BACKLITE key. Repeat the procedure to turn the backlight OFF.
Laser Pointer	To turn the laser pointer ON, press the LASER key while pressing the ON/HOLD key. Repeat the procedure to turn the laser OFF.

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Measurement conditions

Holding the meter by its handle, point the IR Sensor toward the object whose temperature is to be measured.

The meter automatically compensates for temperature deviations from ambient temperature. Keep in mind that it will take up to 30 minutes to adjust to wide ambient temperature changes.

When low temperatures are to be measured followed by high temperature measurements, some time (several minutes) is required after the low (and before the high) temperature measurements are made. This is a result of the cooling process which must take place for the IR sensor.

Battery replacement

A flashing display is the indication that the battery voltage has fallen into the critical region (6.5 to 7.5 V). Reliable readings can be obtained for several hours after the first appearance of the low battery indication. Open the Battery Compartment and remove the battery, then install a new battery and replace the cover.

Technical data

Features	Values
Measuring range	-20...+420 °C
Operating conditions	0...50 °C, max. 80% RH
Accuracy	±2 °C (-20...+100 °C), ±3% or ±3 °C (+1000...+420 °C)
Resolution	1 °C
Response time	1 s
Emissivity	0,95 fixed
Optical resolution	8:1
Battery	9 V
Dimensions	170x44x40 mm, 200 g
CE-conformance	2014/30/EU
Electromagnetic conductivity	EN 61326-1:2013
Articlenumber	0560 8869

Optical resolution

