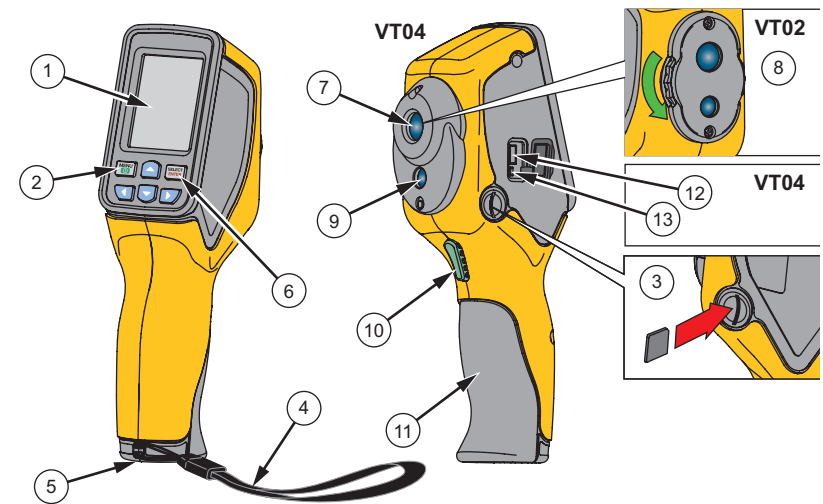


# Visual IR Thermometer

## VT02, VT04



- ① LCD Display
- ② Power On/Off and Menu
- ③ SD Memory card slot
- ④ Lanyard
- ⑤ Tripod Mount
- ⑥ Select/Enter
- ⑦ Infrared Lens
- ⑧ Rotating Lens Cover
- ⑨ Visual Camera
- ⑩ Trigger for Image Capture
- ⑪ Battery Cover
- ⑫ Micro USB Connector (VT04)
- ⑬ Battery Charge Status LED

### Power On and Off

**MENU**  
2 sec.

**First time use:**  
enter date and time

DD/MM/YYYY  
23/08/2012  
12 hr  
2:25 pm

VT02 VT04

### Image Blending

**MENU** → [Image Blending Diagram] 0% — 100 %

0 % 25 % 50 % 75 % 100 %

### Capture and Save

[Image of Thermometer] → [Screenshot: 82.0°F, 13, SD icon] → [SELECT ENTER]

### Menu Functions and Basic Navigation

Battery Charge Level

Yellow Highlight

Open Display Menu

Select/Enter

Up/Down to Change Values

**MENU** [Up] [Down] [SELECT ENTER]

BG 20 °C  
BG 25 °C

Icon	Description	VT02	VT04
[Image Icon]	0	•	•
[Emissivity Icon]	0.95	•	•
[Color Palette Icon]	Color Palette	•	•
[BG Icon]	20 °C	•	•
[Temperature Markers Icon]	Temperature Markers	•	•
[Temperature Units Icon]	°C	•	•
[Clock Icon]	5:12	•	•
[Hi/Lo Alarm Icon]	Hi/Lo Temperature Alarm		•
[Time-Lapse Icon]	Time-Lapse Image Capture		•
[Auto-Monitor Icon]	Auto-Monitor		•

### Visual Image Alignment Control

**Near Mode**  
Near

29.3 °C

≤ 9 in / 23 cm

**Far Mode**  
Far

29.3 °C

> 9 in / 23 cm

### Color Palette

Grayscale (White hot)

Grayscale (Black hot)

High Contrast

Ironbow

Rainbow

Hot Metal (VT04 only)

### Measurement Display

Center-point Measurement

Center-point Cursor

Blend Icon

62.7 °C

Far

ε=0.95

6:24 pm

Battery Status

Emissivity

Color Palette

### SD Card

No SD card in slot

SD card error

SD card empty

SD card full

## VT04 Features

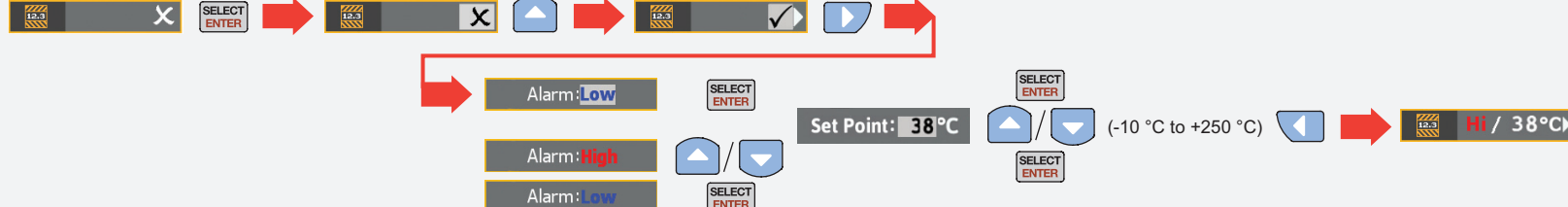
## Turn On



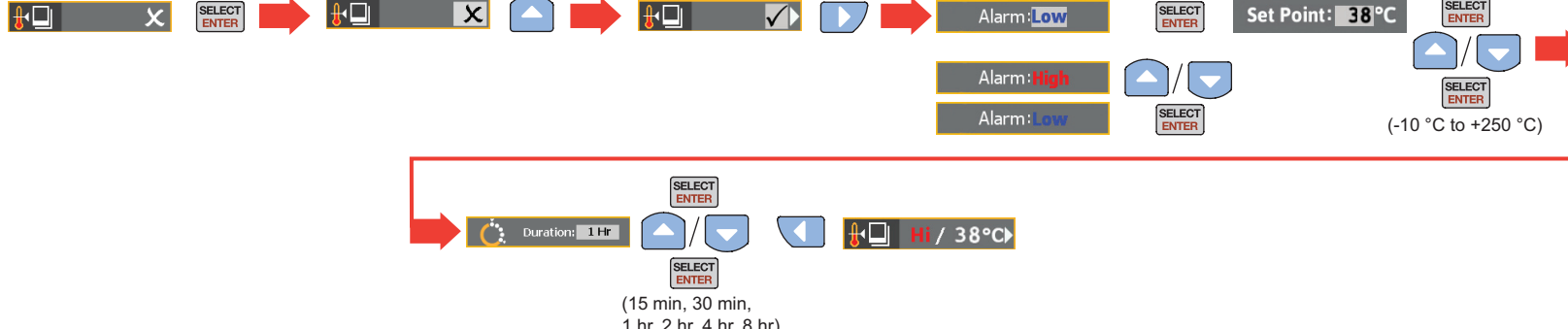
## Turn Off



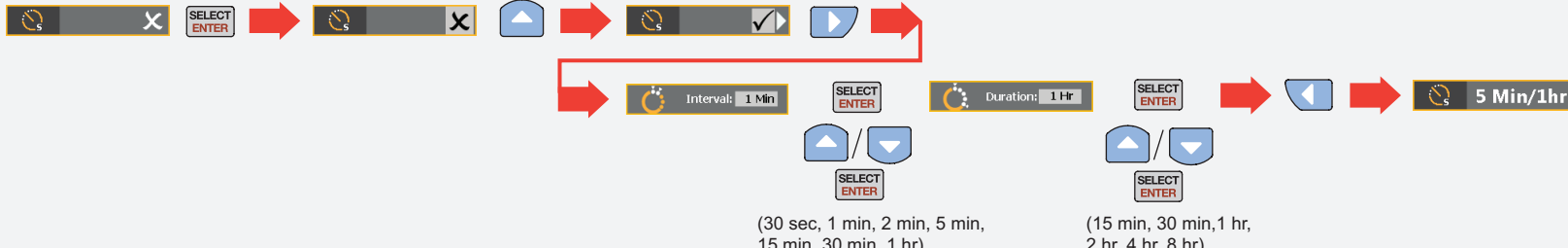
## Hi/Lo Temperature Alarm



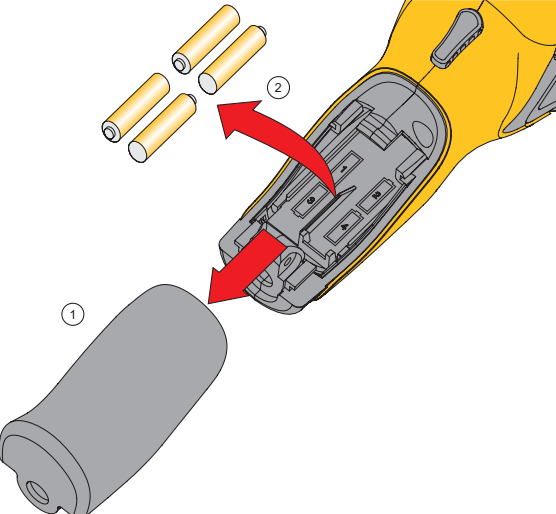
## Auto Monitor



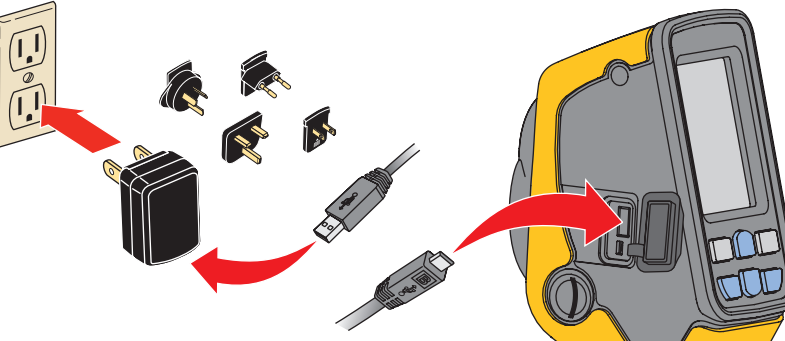
## Time-Lapse Image Capture



## Battery Care (VT02)



## Rechargeable Battery (VT04)



## Safety Information

A **Warning** identifies hazardous conditions and procedures that are dangerous to the user. A **Caution** identifies conditions and procedures that can cause damage to the Product or the equipment under test.

**⚠⚠ Warning**

- To prevent possible electrical shock, fire, or personal injury:
- Read all safety information before you use the Product.
- Carefully read all instructions.
- Use the Product only as specified, or the protection supplied by the Product can be compromised.
- Replace the batteries when the low battery indicator shows to prevent incorrect measurements.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Do not use the Product if it operates incorrectly.
- Do not use and disable the Product if it is damaged.
- See emissivity information for actual temperatures. Reflective objects result in lower than actual temperature measurements. These objects pose a burn hazard.
- Remove the batteries if the Product is not used for an extended period of time, or if stored in temperatures above 50 °C. If the batteries are not removed, battery leakage can damage the Product.
- Use only specified replacement parts.
- Use only Fluke approved power adapters to charge the VT04 battery.

### Warning








- Batteries contain hazardous chemicals that can cause burns or explode. If exposure to chemicals occurs, clean with water and get medical aid.
- Be sure that the battery polarity is correct to prevent battery leakage.
- Do not short the battery terminals together.
- Keep cells and battery packs clean and dry. Clean dirty connectors with a dry, clean cloth.
- Do not disassemble or crush battery cells and battery packs.
- Do not put battery cells and battery packs near heat or fire. Do not put in sunlight

## Specifications

### Battery Type

VT04:	Li-Ion Rechargeable 3.6 V, 2250 mAh, 8.1 Wh
VT02:	4 AA, LR6 1.5 V
Battery Life:	8 hrs
Operating Temperature:	-5 °C to +45 °C
Storage Temperature:	-20 °C to +60 °C
Operating Altitude:	2 000 meters

The table below is a list of symbols used on the Product or in this guide.

Symbol	Description
	Important information. See manual.
	Hazardous voltage. Risk of electrical shock.
	Conforms to relevant Australian standards.
	Conforms to requirements of European Union and European Free Trade Association.
	Conforms to relevant South Korean EMC standards.
 Li-ion	This camera contains a Lithium-ion battery. Do not mix with the solid waste stream. Spent batteries should be disposed of by a qualified recycler or hazardous materials handler per local regulations. Go to Fluke's website for recycling information.
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.

## LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for two years from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

Fluke Corporation	Fluke Europe B.V.
P.O. Box 9090	P.O. Box 1186
Everett, WA 98206-9090	5602 BD Eindhoven
U.S.A.	The Netherlands