

## Operating Instructions



**LASER RADIATION**  
**DO NOT STARE INTO BEAM!**  
**CLASS 2 LASER PRODUCT**  
MAX. OUTPUT < 1 mW, WAVELENGTH 635 – 650 NM



## ScanTemp 410 – Infrared Thermometer



### Introduction:

We are confident you will find many uses for your "ScanTemp 410" non contact thermometer. It is compact and easy to use. Within one second you can safely measure surface temperatures without contact, even of hot, hazardous, or hard-to-reach objects.

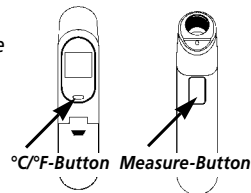
With the laser pointer the measuring point can be focused exactly.

### Features:

- 2 x 1.5 Volt batteries AAA included
- Large LCD-display with backlight
- Indication of measured value and maximum value
- Auto power off after 15 seconds
- Switch °C/°F
- With laser pointer

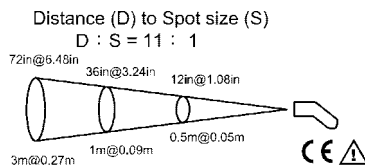
### Use:

- Just aim at the measuring object and press the measure button
- Read the surface temperature in a second.



### Distance, Spot Size, and Field of View

As the distance (D) from the object increases, the spot size (S) of the area measured by the unit becomes larger at a ratio of D:S = 11:1. To get the most accurate temperature reading, aim at the target as near as possible.



**Safety Cautions:****⚠ EMC/RFI**

- Protect the unit from EMI (Electro Magnetic Interference) from induction heaters and microwave ovens and Electro Static Discharge. Readings may be affected if the unit is operated within a radio frequency electromagnetic field strength of approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

**⚠ Attention**

- Do not look directly into the laser beam – permanent eye damage may result.
- Keep out of the reach of children
- Protect the unit from "thermal shock" (caused by large or abrupt ambient temperature changes).
- Do not leave the unit on or near objects of high temperature.
- Not recommended for taking human temperature.

**Battery:**

- Change the battery when the middle or right battery power symbol appears on the display (2 x 1,5 Volt AAA).
- Remove the battery compartment opening the cover in direction of the arrow.

**Attention:** Confirm the unit is power off before changing battery.

- Do not dispose of empty batteries in household waste. Take them to special local collection sites.

**Trouble Shooting:**

- Er** → Confirm the unit is power off before.
- Remove the battery for 1 minute, then repower it.
- If the error message does not disappear, contact the retailer for further service

**Reminders:**

- Not recommended for use in measuring shiny or polished metal surfaces (stainless steel, aluminum, etc.)
- The unit cannot measure through transparent surfaces such as glass or plastic. It will measure the surface temperature of the glass instead.
- Steam, dust, smoke, etc., can prevent accurate measurement by obstructing the unit's optics.

**Care and Cleaning:**

- The Sensor Lens is the most delicate part of the thermometer. Please protect the sensor part from dirt. Gently clean it with a soft cloth moistened with water or medical alcohol.
- Avoid splashes and spills on the unit.
- Store at a temperature of between -20°C to +65°C.

**Specifications:**

Temperature range:	-33 .. +500 °C (-76 .. +932 °F)
Accuracy:	+2 °C or +2% of reading (whichever is greater)
Operating environment:	0 .. +50 °C (32 .. 122°F)
Storing conditions:	-20 .. +65 °C (-4 .. 149°F), 95% RH
Response time:	1 second
Optical resolution:	11:1
Emissivity:	0,95 fixed
Battery life:	Minimum 14 hours
Dimension:	175 x 39 x 80 mm
Weight:	180 g