

Pocket Infrared Pyrometer

OS681 Series



- ✓ Non-Contact Temperature Measurement
- ✓ Pocket-Size Portability
- ✓ Affordable, °C/°F Switchable
- ✓ -18 to 315°C or (0 to 600°F) Range
- ✓ Optional Laser
- ✓ Continuous Reading
- ✓ One-Second Response Time
- ✓ 6 Second Display Hold
- ✓ Large LCD Display
- ✓ CE Approved

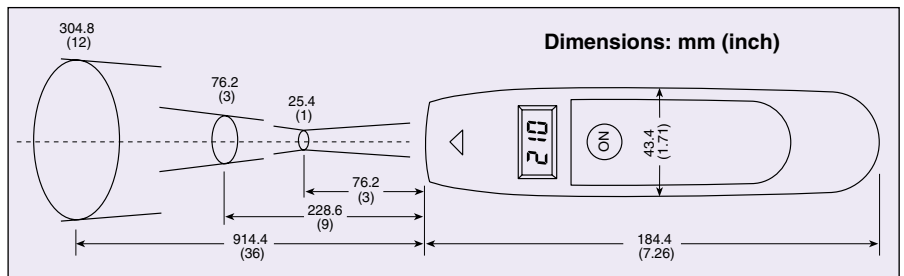
Applications

- ✓ Automotive
- ✓ Chemical and Petroleum
- ✓ Electronics
- ✓ Food Preparation
- ✓ Heating and Air Conditioning
- ✓ Plant Maintenance
- ✓ Plastics
- ✓ Textiles
- ✓ Road Construction
- ✓ Food Testing and Measurement

The OS681-CE is the most affordable hand-held, battery-operated sensor that safely and accurately measures temperature using non-contact infrared technology.

It's easy to operate the OS681-CE. Simply point at the desired target and press the "on" button for a temperature reading—no contact with the target is ever needed.

The total infrared energy emitted into the sensor from the target area within the field of view will be averaged and displayed in degrees Fahrenheit or Centigrade.



The OS681-L1-CE has a first temperature response time of 1 second and a continuous reading feature for thermal scanning. An optional laser allows for aiming the sensor at distant targets.

Specifications

Range: -18 to 315°C (0 to 600°F), or -55 to 125°C (-67 to 260°F)
Resolution: 1°C or 1°F
Accuracy: ±2% of full scale
Response Time: 0.85 second
Display Hold: 6 seconds
Target Size/Field of View: 3:1 spot size ratio with 25.4 mm (1") minimum target

Repeatability: ±0.5% of reading plus 1 digit
Power: 9 V alkaline battery (included)
Battery Life: 80 hours (8 to 10 hours with laser active)
Spectral Response: 8 to 14 micron
Emissivity: Fixed at 0.95
Dimensions: 184 x 43 x 19 mm (7.26 x 1.7 x 0.75")
Weight: 55.7 g (2.7 oz) (without battery)

CAUTION! – This product is not intended for medical use or use on humans

To Order

| Model No. | Description | Range |
|----------------|--------------------------------------|------------------------------|
| OS681-CE | Pocket IR pyrometer °C/°F switchable | -18 to 315°C or 0 to 600°F |
| OS681-LS-CE | OS681-CE with laser sight | -18 to 315°C or 0 to 600°F |
| OS681-L1-CE | Pocket IR pyrometer °C/°F switchable | -55 to 125°C or -67 to 260°F |
| OS681-L1-LS-CE | OS681-L1-CE with laser sight | -55 to 125°C or -67 to 260°F |
| OS680-SC | Soft case for OS681 | |

Comes with 9 V battery and complete operator's manual.

Ordering Example: OS681-CE, pocket infrared pyrometer with OS681-SC, soft carrying case.