

Pocket Infrared Thermometers

Available with Software/USB and Data Logging Function



- ✔ Conveniently Clips Into Your Pocket Like a Pen
- ✔ -20 to 500°C (-4 to 932°F) Temperature Range
- ✔ PC Software and USB Cable Included (OS685U Only)
- ✔ Data Logging (Up to 100 Readings, Model OS685U Only)
- ✔ High Accuracy and Repeatability
- ✔ Fast Response Time
- ✔ Displays Min, Max, Avg and Current Temperatures
- ✔ Narrow Field of View
- ✔ Laser Sighting (OS685L and OS685U)

The ultra compact OS685 has been specifically designed to fit into your pocket, just like a pen, so that you can carry it with you anywhere you go.

You simply aim, press the SCAN button and read the temperature immediately. No fuss. No need to focus and no special training.

The OS685 is particularly useful for test, inspection and maintenance applications in such diverse industries as food and beverage,

automotive, plastics and rubber, textiles, paper and packaging, chemicals and pharmaceuticals, HVAC, electrical, asphaltting, plus many others.

Each unit comes with additional functions such as maximum, minimum and average temperature measurements. It can be LOCKED into the ON position if continuous measurements are required. The last measured value can also be held for those situations where it is not easy to see the display while measuring. OS685U has an additional feature of data logging to a PC and can record up to 100 points in memory.

Specifications

Temperature Range: -20 to 500°C (-4 to 932°F)

Accuracy: ±1% of reading or ±1°C, whichever is greater

Emissivity:

OS685: Fixed at 0.95

OS685L/OS685U: Adjustable from 0.3 to 1.0

Repeatability: ±0.5% of reading or ±0.5°C (0.9°F), whichever is greater

Response Time: 500 msec (90% response)

Spectral Response: 8 to 14 microns

Ambient Temperature Range: 0 to 50°C (32 to 120°F)

Display: 3½ digit LCD

Power Source: Two "AAA" alkaline batteries (included)

Reading: °C or °F, SCAN/HOLD/LOCK/MAX/MIN/AVG

Display Resolution: 0.1° up to 199.9°, 1° above 200°

Optical Resolution: 8:1

Relative Humidity: 10 to 95% non-condensing

Recording Speed (OS685U Only): Up to 1 per second

Dimensions: 163 L x 27 W x 16 mm H (6.4 x 1 x 0.6")

Weight: 50 g (1.8 oz) without battery

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

To Order

Model No.	Description
OS685	Handheld infrared thermometer
OS685L	OS685 with laser sight
OS685U	OS685 with software/USB

Comes complete with 2 "AAA" batteries and operator's manual. The OS685U includes a cable with a USB connector, and software compatible with Windows, which offers analog display, trend graph, data logging at intervals from 1 second upwards, sensor configuration and tab-delimited store file.

Ordering Example: OS685L, pocket infrared pyrometer with laser sight.