



testo 845

## Infrared Thermometer with Switchable Optics

This pyrometer offers what few others in the market can – switchable optics. With just a flip of a switch, you can shift between close focus and long distance temperature measurements with accuracy and ease. Use the 845 to measure points as close as 1/4 inch, then simply slide switch for measurements across the room. Whether close up or at a long distance, the 845 gives you exact readings in seconds plus it can also log the data points for analysis.

### Relative Humidity Probe (optional)

#### testo 845 features:

- Pinpoint laser sighting
- Ambient air humidity measurements (optional) with audible alarm
- Record and store up to 90 readings for trending analysis
- Ultra fast scan capability (100 msec) to survey any area quickly and accurately (reference accuracy  $\pm 0.75$  °C)
- Display temperature, min/max values, alarm limits and emissivity simultaneously on bright, backlit, three line display
- Easily interface with PC via USB cable and data management software



#### Additional Features:

Transfer data to your PC in user selectable timed intervals for archiving, documenting and processing data in real time or online. Software, USB cable and tripod bracket are included with every instrument.



Transfer data to testo's IR printer for on-site documentation with date and time (printer optional).



- Temperature (°F / °C)
- Relative Humidity
- Data Logging



### technical data:

<b>Measuring range:</b>	-30 to 1750 °F (-35 to +950 °C)
<b>Humidity module:</b>	0 to 100 %RH 32 to 122 °F (0 to +50 °C) -4 to 122 °F (-20 to +50 °C td)
<b>Contact temp. range:</b>	-30 to 1750 °F (-35 to +950 °C)
<b>Spectral range:</b>	8 to 14 µm
<b>Accuracy °C IR (at +23 °C): ± 1 digit:</b>	±2.5 °C (-35 to -20.1 °C) ±1.5 °C (-20 to +19.9 °C) ±0.75 °C (+20 to +99.9 °C) ±0.75 % of m.v. (+100 to +950 °C)
<b>Accuracy °C contact (Type K): ± 1 digit:</b>	±0.75 °C (-35 to +75 °C) ±1 % of m.v. (75.1 to +950 °C)
<b>Accuracy humidity module: ± 1 digit:</b>	±2 % RH (2 to 98 %RH) ±0.5 °C (+10 to +40 °C) (50 to 104°F) ±1 °C (remaining range)
<b>Resolution:</b>	0.1 °C (°C-measurement parameters) 0.1 % RH (humidity) 0.1 °Ctd (dewpoint)
<b>Emissivity:</b>	Adjustable 0.1 to 1.0
<b>Optical resolution:</b>	Far field: 75:1 (16 mm, distance 1200 mm) (7" @ 4ft.) Close focus: 1 mm, distance 70 mm (spot @ 3")
<b>Measuring rate:</b>	t 95: 150 msec Scanning Max/Min/Alarm: 100 msec

### specifications:

<b>Housing material:</b>	ABS black/grey, metal cover
<b>Instrument:</b>	155 x 58 x 195 mm (6" x 2" x 8")
<b>Weight:</b>	465 g (1 lb)
<b>Case (included):</b>	405 x 340 x 93 mm (16" x 13" x 4")
<b>Power supply:</b>	2 x AA AlMn or via USB
<b>Battery life:</b>	25h (w/o laser); 10h (with laser w/o backlight); 5h (with laser and 50% backlight)
<b>Operating temperature:</b>	-20 to +50 °C (-4 to 122 °F)
<b>Storage temperature:</b>	-40 to +70 °C (-40 to 158 °F)
<b>Warranty:</b>	2 years

Information subject to change without notice.  
Not responsible for typographical errors.

### ordering information:

	Part #
<b>845 – IR thermometer with laser sighting and switchable optics including:</b>	
<b>with PC software, USB cable, tripod mounting bracket, carry case and wrist strap, battery and calibration certificate</b>	0563 8450
<b>with humidity probe</b>	0563 8451
<b>Accessories</b>	<b>Part #</b>
<b>Humidity module (for retrofit)</b>	0636 9784
<b>External charger (4 Ni-MH rechargeable batteries) with integrated international plug (100-240 VAC, 300 mA, 50/60 Hz)</b>	0554 0610
<b>Surface temperature probe with spring thermocouple, for uneven surfaces, short-term up to +500 °C, TC Type K</b>	0602 0393
<b>Air probe, TC Type K</b>	0602 1793
<b>IR printer (incl. 1 roll of paper and 4 AA batteries)</b>	0554 0547
<b>Spare printer paper (6 rolls)</b>	0554 0569

Distributor: