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testo 835 Pro Series Infrared Thermometers

Simplify difficult measuring tasks with high performance IR thermometers



- 50:1 long distance optics
- 4-point laser shows the exact measuring area for precise readings
- High temperature range up to 2700 °F (model 835-T2)
- Emissivity charts for accurate surface measurements
- Contact, type K thermocouople input and wide selection of probe choices
- Simple joystick operation and easy navigation icons
- Memory and software for data management and analysis

Use the 835 IR Thermometer in trade and industry applications such as plant and facility maintenance, monitoring electrical and mechanical components, checking air conditioning and heating equipment, and practicing manufacturing and quality control or anywhere highly accurate temperature measurements are required.

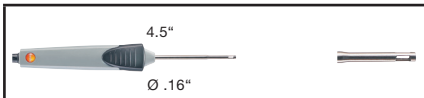
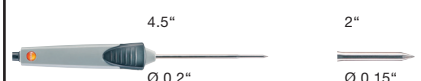
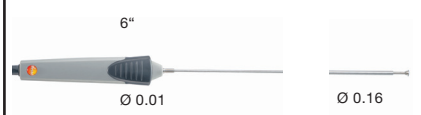
The 835 thermometer is one of the most flexible and versatile IR thermometers in its class. It is extremely useful for monitoring the temperature of smaller or moving objects. It can easily access difficult to reach locations and help you measure extremely hot material at a safe distance. In addition, you can measure various different surfaces (i.e. metal, glass, ceramics) up to 2700 °F with just the press of button without adjusting or re-calibrating.
Point, shoot, measure!

Specifications

	835-T1	835-T2	835-H1
Non-contact IR			
Optics	50:1 (6.5 ft measuring distance		
Laser sighting	4 point laser		
Spectral range	8 to 14 µm		
Measuring range	-22° - 1112 °F	14° - 2732 °F	-22° - 1112 °F
Accuracy	±4.5 °F (-22° to -4 °F) ±2.7 °F (-4° to 32 °F) ±1.8 °F (32° to 212 °F) 1% of rdg (rem. range)	±3.6 °F or 1% of rdg	±4.5 °F (-22° to -4 °F) ±2.7 °F (-4° to 32 °F) ±1.8 °F (32° to 212 °F) 1% of rdg (rem. range)
Resolution	0.1 °F	0.1 °F (-14° - 1830 °F) 1 °F (1832 - 2732 °F)	0.1 °F
Type K contact			
Measuring range	-72° - 1112 °F	-72° - 1830 °F	-72- 1112 °F
Accuracy	±(-0.9 °F +0.5% rdg)		
Resoution	0.1 °F		
Testo humidity sensor			
Measuring range	-		0 to 100% rH
Accuracy	-		±2 %rH
Resolution	-		1.8 °F 0.1 %rH 0.1 °Ftd

General technical data	
Emissivity	0.10 to 1.00 (steps 0.01)
Emissivity table	20 values on board
Laser spot	On / Off
Memory hi/lo limit	200 values
Alarm (max / min values)	IR / TC temperature
Alarm signal	Audible (optional)
Operating temperature	-4° - 122 °F
Dimensions	7.6 x 6.5 x 2.5 in
Weight	1 lb
Battery	3 AA (or USB operating with PC-Software)
Battery life	25 hr (w/o laser and backlight) 10 hr (w/o backlight)
Auto OFF	Backlight: 30 secs Instrument: 120 secs.
Warranty	2 years

Probes

Probe type	Dimensions (shaft and probe tip)	Measuring range	Accuracy	t (secs)	Part no.
Air probe, TC type K, 4 ft. cable		-76° - 752 °F	Class 2	25	0602 1793
Immersion probe, water-proof, TC type K, 4 ft. cable		-76° - 1832 °F	Class 1	2	0602 0593
Immersion/pen-etration probe, waterproof, TC type K, 4 ft. cable		-76° - 1472 °F	Class 1	3	0602 2693
Immersion/pen-etraton probe, waterproof, 4 ft. cable		-76° - 752 °F	Class2	7	0602 1293
Surface probe, spring TC, type K, 4 ft cable		-76° - 572 °F	Class2	3	0602 0393
Surface probe (paddle) TC type K		32 ° - 572 °F	Class 2	5	0602 0193
Surface probe w/bend, spring TC, type K, 4 ft. cable		-76° - 572 °F	Class 2	3	0602 0993
Surface probe, waterproof, small flat probe head, TC type K, 4 ft cable		-76° - 1832 °F	Class 1	20	0602 0693
Magnetic probe for metal sur-faces, TC type K, 5 ft. cable		-58° - 752 °F	Class 2		0602 4892
Pipe wrap probe w/ velcro (5”), TC type K, 5 ft. cable		-58° - 248 °F	Class 1	90	0628 0020
Pipe wrap probe w/ adjustable head (0.2 to 2.5”) TC type K, 4 ft. cable		-76° - 266 °F	Class 2	5	0602 4592

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Ordering data

testo 835-T1 Standard

testo 835-T1, IR thermometer, 4-point laser sighting, data logging, and external probe input incl. batteries and calibration protocol



Part no. 0560 8351

testo 835-T2 High Temperature

testo 835-T2, IR thermometer, 4-point laser sighting, data logging, and external probe input, incl. batteries and calibration protocol



Part no. 0560 8352

testo 835-H1 Moisture Module

testo 835-H1, IR thermometer, 4-point laser sighting, data logging, and external probe input, humidity module, incl. batteries and calibration protocol



Part no. 0560 8353

Accessories	Part no.
Bracket	0440 0950
USB cable for PC	0449 0047
Adhesive tape (1 roll) 32 ft.	0554 0051
Silicone heat paste (max. 500 °F)	0554 0004
NIST Temperature Calibration for IR Thermometer	400520 1911

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Subject to change without notice.

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