

EUROPE'S LARGEST SELECTION OF TEST & MEASUREMENT EQUIPMENT FOR HIRE

INLEC.COM

DATASHEET



Nationwide Low Call
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WHY BUY
WHEN YOU CAN HIRE

We measure it. **testo**

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 thermocouple input and wide selection
of probe choices

Simple joystick operation and easy navigation icons

Memory and software for data management and analysis



°F / °C

%rH

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.



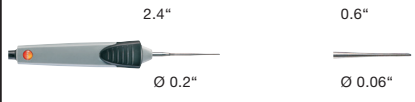
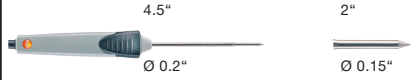



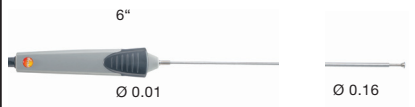
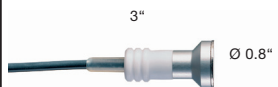


The 835 thermometer is one of the most flexible and versatile IR thermometers in its class. It is extremely useful for monitoring the temperature of smaller or moving objects. It can easily access difficult to reach locations and help you measure extremely hot material at a safe distance. In addition, 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)		
Resolution	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/penetration probe, waterproof, TC type K, 4 ft. cable		-76° - 1472 °F	Class 1	3	0602 2693
Immersion/penetration probe, waterproof, 4 ft. cable		-76° - 752 °F	Class 2	7	0602 1293
Surface probe, spring TC, type K, 4 ft cable		-76° - 572 °F	Class 2	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 surfaces, 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

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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You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

YOUR 5 WAY GUARANTEE

1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match guarantee online

3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

4 FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

Inlec are happy to provide you with free advice, from an unbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

5 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

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LAB NO. 0038



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CERT. NO. GB95/1773



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