

HORIBA

Non-contact, hand held type

INFRARED THERMOMETERS IT-540 Series

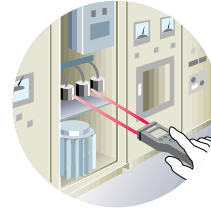
Temperature measurement range : -50 to 500°C (-58 to 932°F)

Light weight and compact
for excellent portability

Small target size
for accurate point measurements

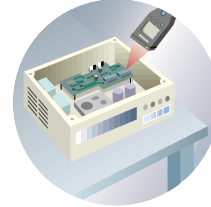
Reasonable price

High accuracy
Adjustable ϵ in 0.01 steps



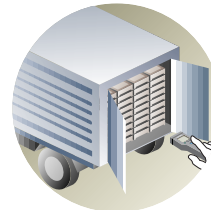
IT-540N (Dual beam model)

Uses a dual-beam marker to allow quick temperature measurement while monitoring the measurement position from a distance.



IT-540S (Spot focus model)

Uses an LED spot marker to allow quick measurement of electronic components with very small surface areas.



IT-540E (Standard model)

This model features high performance and an extensive range of functions at a reasonable price.



Horiba Infrared thermometers

are now even better!



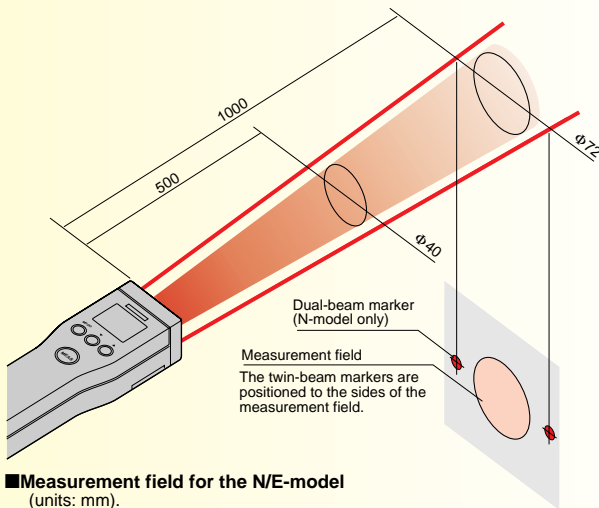
For measurement of foods etc.

IT-540E (Standard model)

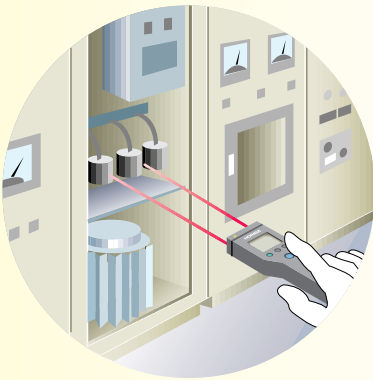
The diameter at the point of measurement is $\phi 40$ mm at 500 mm.

Uses the same measurement spot diameter as the N-model, which makes accurate measurements easy.

* marker not included.



■ Measurement field for the N/E-model (units: mm).



For all kinds of maintenance

IT-540N (Dual beam model)

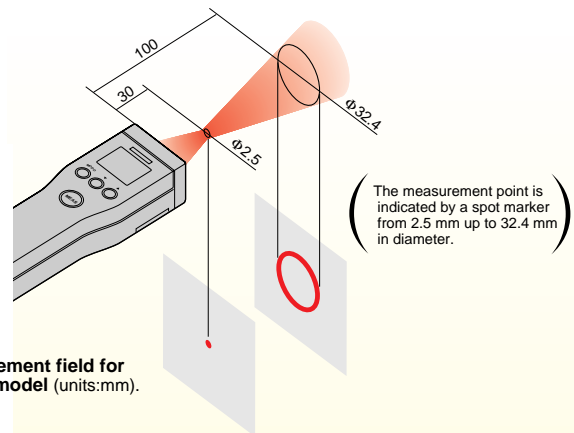
Our original dual-beam marker is used for target sighting.

Two visible-light laser beams allow you to confirm the measurement point quickly.

The diameter at the point of measurement is $\phi 40$ mm at 500 mm distance.



These three new models of the IT-540 Series provide quick, simple and accurate temperature measurement over a wide temperature range.



■ Measurement field for the S-model (units: mm).

For measurement of electronic components

IT-540S (spot focus model)

A spot marker is used for target sighting.

A red LED allows you to quickly check the point of measurement.

The smallest point of measurement diameter is $\phi 2.5$ mm at 30 mm distance.

SPECIFICATIONS

Model	IT-540N	IT-540E	IT-540S
Measurement temp. range	-50 to 500°C (Resolution 1°C) (-58 to 932°F (Resolution 1°F))		
Target size	φ40 / 500mm		φ2.5 / 30 mm
Detector / Optical lens	Thermopile / Silicon		
Spectral response	8 to 16 μm		
Response time	Less than 1.5 sec (95% response)		
Accuracy	201 to 500°C ±1% (of reading) 0 to 200°C ±2°C -50 to -1°C ± (-10% of reading +2)°C (ε=1.0,Temp. 23±5°C, Humidity 55%RH)		
Repeatability	±1°C (-50 to -1°C : ± 2°C)		
Sighting	2-beam laser sight (Class 2)	—	Red LED spot sight
Emissivity setting	0.1 0 to 1.0 0, 0.0 1 increments		
Alam setting	-55 to 505°C (-67 to 941 °F)		
Automatic power OFF	HOLD and SET mode : 15 sec.		
Other functions	MAX / MIN values displayable, Data Hold, Selection of °C and °F		
Power	Four R03 (#AAA) batteries		
Operating temp.	0 to 40°C		0 to 50°C
Operating humidity	35 to 85% RH , no condensation		
Storage temp.	-20 to 55 °C no condensation		
Dimensions	170 (H) × 40 (W) × 36 (D) (mm)		
Weight (batteries included)	Approx. 140 g		
Accessories	Four R03 (#AAA) batteries and case		

About the emissivity measurement function

By using Black-body spray, and Black-body tape (options), it is possible to measure the temperature of objects with low emissivity, and to measure the emissivity.

Options

- Black-body spray (300 ml)
- Black-body tape (50 mm × 10 m)



Horiba continues contributing to the preservation of the global environment through analysis and measuring technology.



Please read the operation manual before using this product to assure safe and proper handling of the product.

- The contents of this catalog are subject to change without prior notice, and without any subsequent liability to this company.
- The color of the actual products may differ from the color pictured in this catalog due to printing limitations.

HORIBA

●HORIBA, Ltd.

Head Office
Miyahogashi, Kisshoin
Minami-ku, Kyoto, Japan
Phone: 81 (75) 313-8123
Fax: 81 (75) 321-5725

Tokyo Sales Office
1-7-8 Higashi-kanda
Chiyoda-ku, Tokyo, Japan
Phone: 81 (3) 3861-8231
Fax: 81 (3) 3861-8259

Beijing Representative Office
Room No.410,
No.33 Cheng Fang Street,
Xicheng District, Beijing
P.R.O.C 100032
T.O.D. Beijing-9503-316
Phone: 86 10-66077630
Fax: 86 10-66077554

●HORIBA KOREA LTD.

112-6 Sogong-Dong
Choong-ku, Seoul, Korea
Phone: 82 (2) 753-7911
Fax: 82 (2) 756-4972

●HORIBA INSTRUMENTS Pte. LTD.

31 Kaki Bukit Road 3,
#06-12 Techlink
Singapore 417818
Phone: 65 745-8300
Fax: 65 745-8155

●HORIBA INSTRUMENTS INCORPORATED

Irvine Facility
17671 Armstrong Avenue
Irvine, CA 92614, U.S.A.
Phone: 1 (949) 250-4811
Fax: 1 (949) 250-0924

Ann Arbor Facility
5900 Hines Drive
Ann Arbor, 48108
U.S.A.
Phone: 1 (734) 213-6555
Fax: 1 (734) 213-6525

Silicon Valley Office
1080 E. Duane, Suite. A
Sunnyvale, CA 94086
U.S.A.
Phone: 1 (408) 730-4772
Fax: 1 (408) 730-8975

●HORIBA GmbH

Kaplanstrasse 5
A-3430 TULLN,
Austria
Phone: 43 (2272) 65225
Fax: 43 (2272) 65230

HORIBA CZECHO
Organizaci slozka
Petrohradská 13
CZ-10 100 Praha, Czech Republic
Phone: 420 (2) 717-464-80
Fax: 420 (2) 717-470-64

●HORIBA EUROPE GmbH

Head Office
Hauptstrasse 108
65843 Sulzbach
Germany
Phone: 49 (6196) 6718-0
Fax: 49 (6196) 641198

Leichlingen Facility
Julius-kronenberg Strasse
D-42799 Leichlingen
Germany
Phone: 49 (2175) 8978-0
Fax: 49 (2175) 8978-50

HORIBA FRANCE
Rue L. et A. Lumière
Technoparc
F-01630 St-Genis-Pouilly
France
Phone: 33 (4) 50-42-27-63
Fax: 33 (4) 50-42-07-74

HORIBA SWEDEN
Hertig CarlsVag 55-57
S-15138 Södertälje
Sweden
Phone: 46 (8) 550-80701
Fax: 46 (8) 550-80567

●HORIBA INSTRUMENTS LTD.

Kyoto Close
Summerhouse Road
Moulton Park, Northampton
NN3 6FL, England
Phone: 44 (1604) 671166
Fax: 44 (1604) 671080

<http://www.horiba.co.jp>

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