DT-8878/8879/8889/8889H
Professional 75:1 High Temperature InfraRed Thermometers
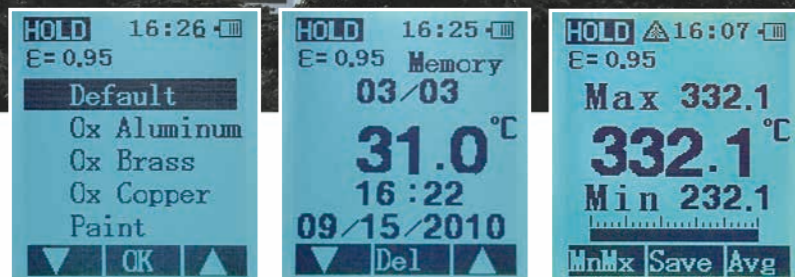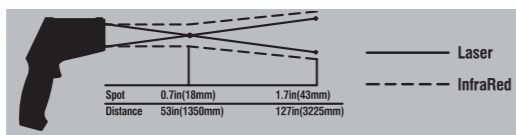
CEM

- 75: 1 distance to spot size
- Dual laser pointers

- 150ms faster sampling time
- 1% accuracy
- Reading memory

Model: DT-8889

Adjustable Emissivity

Data Record

Fast measuCircular with high accuracy

Model 8889/8889H

Features

Features
Graphic white and black LCD display
Max, Min, DIF, AVG record & trigger lock
High / low alarm
Auto Power Off
Adjustable emissivity
Type K input
Memory data with Date/Time stamp (30 points)
USB interface
Datalog (Only 8879/8889H)
Wireless interface (Only 8879/8889H)

Distance (D) to Spot size(S)
D:S=75:1 (8889H)

Laser
InfraRed

Spot   0.7in(18mm)   1.7in(43mm)
Distance   53in(1350mm)   127in(3225mm)

(Unit: mm)

Thermistor clamp

TCP-100

Temperature probe
(Optional: NR-31B / TP-500 / TCP-100)

Specifications

Specifications	8878	8879	8889	8889H
IR Temp. Range	-50ºC to 1200ºC/ -58ºF to 2192ºF	-50ºC to 1600ºC/ -58ºF to 2912ºF	-50ºC to 1850ºC/ -58ºF to 3362ºF	-50ºC to 2200ºC/ -58ºF to 3992ºF
Response Time	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms
Resolution	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º
Basic Accuracy (IR)	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading
Optical Resolution	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	75:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0
Type K Temp. Range	-50ºC to 1370ºC/ -58ºF to 2498ºF	-50ºC to 1370ºC/ -58ºF to 2498ºF	-50ºC to 1370ºC/ -58ºF to 2498ºF	-50ºC to 1370ºC/ -58ºF to 2498ºF
Basic Accuracy (TK)	±0.5% of reading	±0.5% of reading	±0.5% of reading	±0.5% of reading
Readings memories	30	30	30	30
Datalog		*	*	*
Wireless interface(433Mhz)		*		
Bluetooth interface			*	*

Size(HxWxD): 204mm x 155mm x 52mm   **Weight:** 320g
Accessories: 9V battery, USB Cable, Tripod, Software, Type-K temperature probe, Carrying case and Gift box

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DT-8867H/8868/8868H/8869/8869H
Professional 50:1 High Temperature InfraRed Thermometers

CEM

8867H/8868/8868H/8869/8869H Series provide much faster, easier and accurate readings for most surface temperature measurements with Dual laser pointers.
Two laser points converge to a single spot when the unit is at the optimal distance from the object being measured.

- 150ms faster sampling time with 1% accuracy
- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- Widest temperature range
- Unique flat surface, modern housing design
- Built-in dual laser pointers for accurate targeting
- Automatic Data Hold & Trigger Lock
- Max, Min, DIF, AVG record
- High and low temp. alarm
- Emissivity Digitally adjustable from 0.10 to 1.0
- USB interface
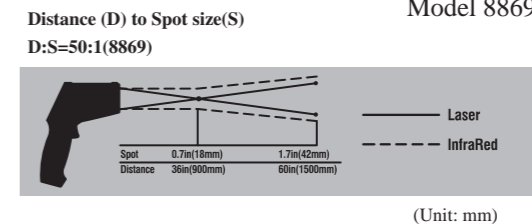- Compatible with all standard connector Type K thermocouples

- 150ms faster sampling time
- 1% accuracy
- Reading memory

- 50 : 1 distance to spot size
- Dual laser pointers

Features

Features
User selectable ºC or ºF
Dual Laser targeting
Automatic Data Hold
Auto Power Off
White backlit LCD display
Overrange indication
High temperature
Max, Min, DIF, AVG record
High / low alarm, Trigger lock
Adjustable emissivity
Reading memory (8868/8869/8868H/8869H)
Type K input
USB interface

EMC
EN: 61326
EN: 60825-1

Distance (D) to Spot size(S)
D:S=50:1(8869)

Laser
InfraRed

Spot   0.7in(18mm)   1.7in(42mm)
Distance   36in(900mm)   60in(1500mm)

Model 8869

(Unit: mm)

Specifications

Specifications	8867H	8868	8869	8868H	8869H
IR Temp. Range	-50ºC to 1650ºC / -58ºF to 3002ºF	-50ºC to 1200ºC / -58ºF to 2192ºF	-50ºC to 1600ºC / -58ºF to 2912ºF	-50ºC to 1850ºC / -58ºF to 3362ºF	-50ºC to 2200ºC / -58ºF to 3992ºF
Response Time	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms
Resolution	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º
Basic Accuracy (IR)	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading
Optical Resolution	30:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0
Type K Temp. Range	-50ºC to 1370ºC / -58ºF to 2498ºF	-50ºC to 1370ºC / -58ºF to 2498ºF	-50ºC to 1370ºC / -58ºF to 2498ºF	-50ºC to 1370ºC / -58ºF to 2498ºF	-50ºC to 1370ºC / -58ºF to 2498ºF
Basic Accuracy (TK)	±1.5% of reading	±1.5% of reading	±1.5% of reading	±1.5% of reading	±1.5% of reading
Readings memories		99	99	99	99

Size(HxWxD): 204mm x 155mm x 52mm   **Weight:** 320g
Accessories: 9V battery, USB Cable, Tripod, Software, Type-K temperature probe, Carrying case and Gift box