


## ST-8818H/8819H/8826H/8828H/8818/8819/8828/8829

### Professional High Temperature InfraRed Thermometers

Model 8828H

16 : 1 distance to spot size

High Temperature 1000°C (1832°F)



Model 8829

- High 16 to 1 distance to target ratio measures smaller surface areas at greater distances (8818H/8819H/8826H/8828H)
- Widest temperature range from -50.0 to 1000°C (-58.0 to 1832°F) (8828/8829)
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Max. Min. DIF, AVG record
- High and low alarm
- Adjustable emissivity
- 8818H/8819H/8826H/8828H Optical Resolution is 16:1 Distance to Spot size
- 8829 Optical Resolution is 50:1 Distance to Spot size

Features					
User-selectable °C or °F	8818H/8819H/8826H/8828H	8819H/8819H/8826H/8828H	8829		
Laser targeting	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*
Auto Power Off	*	*	*	*	*
Backlit LCD Display	*	*	*	*	*
Overrange indication	*	*	*	*	*
High Temperature	*	*	*	*	*
Max. Min. DIF, AVG record	*/-	*/-	*/-/	*	*
High and low alarm	*/-	*/-	*/-/	*	*
Adjustable emissivity	* 0.95	* 0.95	* 0.95	* 0.95	0.95
Trigger lock	*/-	*/-	*/-/	*	*

CE

EMC  
EN: 61326  
EN: 60825-1

Specifications					
Range	8818H/8819H/8826H/8828H	8826H/8828H/8829	8829		
	-50°C to 550°C (-58°F to 1022°F)	-50°C to 750°C (-58°F to 1382°F)	-50°C to 900°C (-58°F to 1652°F)	-50°C to 1000°C (-58°F to 1832°F)	-50°C to 1000°C (-58°F to 1832°F)
Distance to Spot size	16:1 Distance to Spot size	Adjustable 0.1-1.0 (8818H, 8819H, 8826H, 8828H)	50:1 Distance to Spot size	Fixed at 0.95	50:1 Distance to Spot size
Emissivity	Adjustable 0.1-1.0 (8818H, 8819H, 8826H, 8828H)	0.1* up to 200°, 1° over 200°	0.1* up to 200°, 1° over 200°	0.1* up to 200°, 1° over 200°	0.1* up to 200°, 1° over 200°
Response Time	Less than 1 second	Less than 1 second	Less than 1 second	Less than 1 second	Less than 1 second
Resolution	0.1° C/°F (8818H, 8819H, 8826H, 8828H); 0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°
Basic Accuracy	± 1.5% of reading or ± 2°C ± 4°F	± 1.5% of reading or ± 2°C ± 4°F	± 1.5% of reading or ± 2°C ± 4°F	± 1.5% of reading or ± 2°C ± 4°F	± 1.5% of reading or ± 2°C ± 4°F



Accessories:  
9V battery, Carrying case and Gift box


Size(HxWxD): 220mm x 120mm x 56mm  
Weight: 290g

## ST-8858/8859/8859H

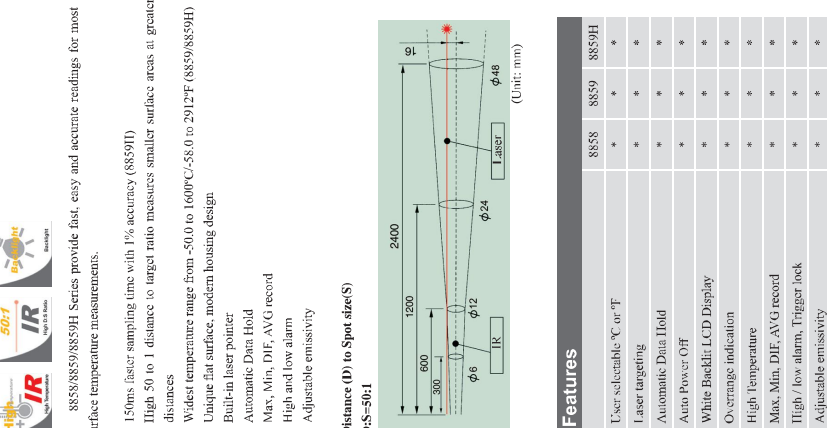
### Professional High Temperature InfraRed Thermometers

50 : 1 distance to spot size

High Temperature 1600°C (2912°F)



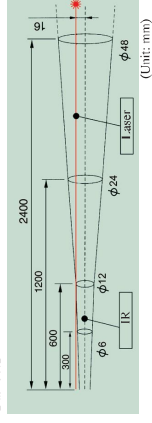
Model 8858



Model 8859

- 150ms faster sampling time with 1% accuracy (8859H)
- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- Widest temperature range from -50.0 to 1600°C (-58.0 to 2912°F) (8859/8859H)
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Max. Min. DIF, AVG record
- High and low alarm
- Adjustable emissivity

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



Features		8858	8859	8859H
User-selectable °C or °F		*	*	*
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		*	*	*
150ms faster sampling time with 1% accuracy		*	*	*

Specifications			
	8858	8859	8859H
Range	-50°C to 1300°C (-58°F to 2372°F)	-50°C to 1600°C (-58°F to 2912°F)	-50°C to 1600°C (-58°F to 2912°F)
Response Time	Less than 1 second	Less than 1 second	Less than 150 ms
Basic Accuracy	± 1.5% of reading or ± 2°C ± 4°F	± 1.5% of reading or ± 2°C ± 4°F	± 1.5% of reading or ± 1°C ± 1.8°F
Resolution	0.1° up to 2000°, 1° over 2000°	0.1° up to 2000°, 1° over 2000°	0.1° up to 2000°, 1° over 2000°
Optical Resolution	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

Size(HxWxD): 220mm x 120mm x 56mm  
Weight: 290g

Accessories:  
9V battery, Carrying case and Gift box.

