

- Accuracy: $\pm 2\%$
- Combine infrared component, sensor, optical system and circuit in the housing
- Stainless steel material, easily installation
- Multi accessories available for different application

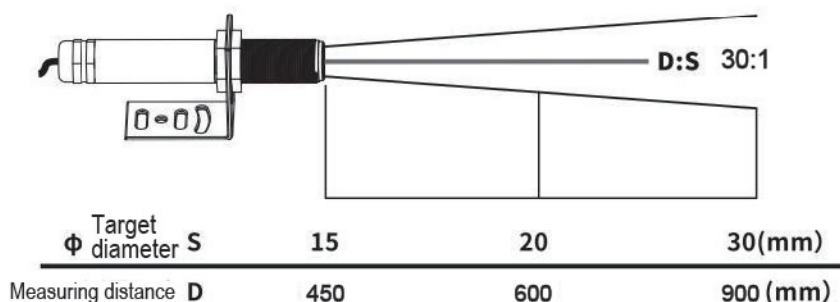
SPECIFICATION

- ◆ Ingress Protection: IP65
- ◆ Temperature Environment: 0~60°C
- ◆ Temperature Storage: -20~80°C
- ◆ Humidity Range: 10~95%
- ◆ Material: Stainless steel
- ◆ Dimension: 121(L)* ϕ 18mm
- ◆ Wire Length: 2m (Standard)
- ◆ Power Supply: 24Vdc
- ◆ Maximum Current: 50mA
- ◆ Output Signal: 4~20mA
- ◆ Optical Measuring: 1.55 μ m
- ◆ Range:
 - Temperature Range: 500~1400°C / 600~2000°C
 - Field to view: 30:1
- ◆ Response Time: 100ms(95%)
- ◆ Temperature measurement accuracy: Reading output $\pm 2\%$ or $\pm 2^\circ\text{C}$ by max.value
- ◆ Repeat accuracy: Reading output $\pm 1\%$ or $\pm 2^\circ\text{C}$ by max.value
- ◆ Emissivity: 0.95

INSTALLATION & DISTANCE

High accuracy optical lens and focus design
 the measuring light spot diameter is 15mm when the distance is with 450mm.
 The light spot size will be zoomed out while the measuring distance is increased.

EX: The light spot is 30mm when the distance is 900mm
 The ratio of measuring distance & light spot is named "Emissivity".
 The emissivity of CT-H is 30:1



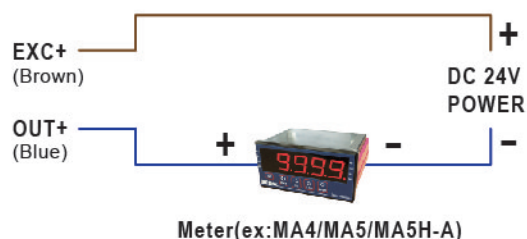
ORDER INFORMATION

CT-H- [Code1] - [Code2]

Code1	Wire Length	Code2	Temp. range
N	2M (Wire Type)	1400	500~1400°C
3	3M	2000	600~2000°C
4	4M		
5	5M		
O	Option		



WIRING CONNECTION



GENERAL EMISSIVITY TABLE

Material		Emissivity	Material		Emissivity	
Metal	Aluminum	Polishing	0.04-0.06	Non-Metal	Asbestos	0.95
		Polishing Oxidation	0.55		Asphalt	0.95
		Oxidation	0.11-0.25		Paper	0.70-0.90
	Brass	Polishing	0.02-0.05		Concrete	0.92
		Non-Oxidation	0.20		Water	0.95
		Oxidation	0.-0.88		Plaster	0.80-0.90
	Steel	Polishing	0.10		Skin	0.98
		Flat	0.40-0.60		Carbon	0.95
		Tungsten	0.05		Paint	0.80-0.98
	Nickel	Electro Polished	0.05		Soil	0.90-0.98
		Non Electro Polished	0.11		Rubber	0.95
		Oxidation	0.30-0.50		Porcelain	0.93
	Lead	Polishing	0.05-0.07		Wood	0.93
		Coarse	0.40		Ice	0.98
		Oxidation	0.30-0.60		Fiberboard	0.95
Zinc	Non-Oxidation	0.05	Lamp Black	0.96		
	Galvanized Iron	0.25	Sand	0.96		
			Snow	0.90		
			Glass	0.90~0.95		
			Graphite	0.70~0.80		
			Black cloth	0.98		