

- 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

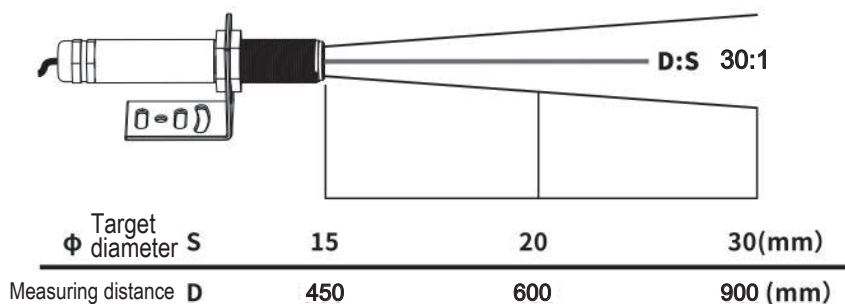
## SPECIFICATION

- ◆ Ingress Protection: IP65
- ◆ Temperature Environment: 0~60°C
- ◆ Temperature Storage: -20~80°C
- ◆ Humidity Range: 10~95%
- ◆ Material: Stainless steel
- ◆ Dimension: 121(L)\* $\Phi$ 18mm
- ◆ Wire Length: 2m (Standard)
- ◆ Power Supply: 24Vdc
- ◆ Maximum Current: 50mA
- ◆ Output Signal: 4~20mA
- ◆ Optical Measuring: 1.55 $\mu$ 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



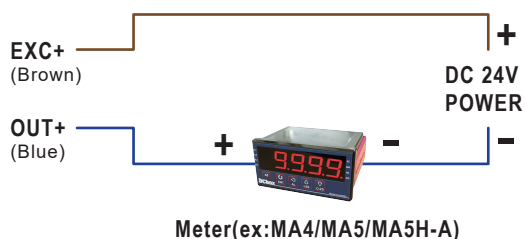
## ORDER INFORMATION

**CT-H- Code1**

Code1	Wire Length
N	2M (Standard)
3	3M
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
	Nickel	Tungsten	0.05		Paint	0.80-0.98
		Electro Polished	0.05		Soil	0.90-0.98
		Non Electro Polished	0.11		Rubber	0.95
	Lead	Oxidation	0.30-0.50		Porcelain	0.93
Polishing		0.05-0.07	Wood	0.93		
Coarse		0.40	Ice	0.98		
Zinc	Oxidation	0.30-0.60	Fiberboard	0.95		
	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		