

- Accuracy: $\pm 1\%$
- Combine infrared component, sensor, optical system and circuit in the housing
- Stainless steel material, easily installation
- Multi accessories available for different application

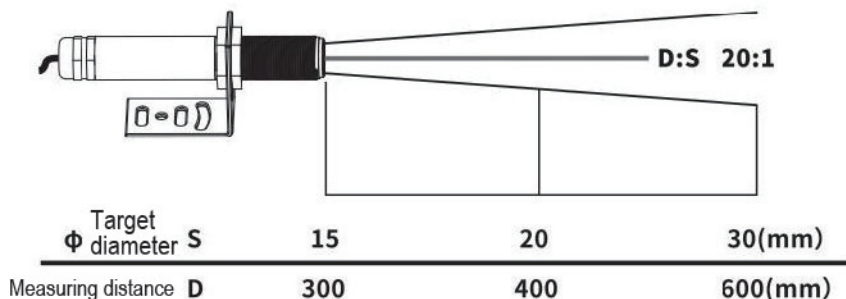
SPECIFICATION

- ◆ Power Supply: 10~24Vdc
- ◆ Maximum power consumption: 1.2W
- ◆ Accuracy: Reading output $\pm 1\%$ or $\pm 1.5^\circ\text{C}$ by max.value
- ◆ Working Temp.: $0\sim 60^\circ\text{C}$;
- ◆ Environment Humi.: 10~95% (non-condensing)
- ◆ Temperature Range: $0\sim 100/ 150/ 200/ 300/ 400/ 500/ 600/ 800/ 1000/ 1200^\circ\text{C}$
 $-50\sim 300^\circ\text{C}/ -50\sim 600^\circ\text{C}$
- ◆ Optical Measuring Range: $8\sim 14\mu\text{m}$
- ◆ Field to view: 20:1
- ◆ Response Time: 150ms (95%)
- ◆ Dimention: $113(\text{L})\times\phi 18\text{mm}$
- ◆ Emissivity: 0.95
- ◆ Output Signal: 4~20mA
- ◆ Load Capacity: $\leq 600\Omega$

INSTALLATION & DISTANCE

High accuracy optical lens and focus design
the measuring light spot diameter is 15mm when the distance is with 300mm.
The light spot size will be zoomed out while the measuring distance is increased.

EX: The light spot is 30mm when the distance is 600mm
The ratio of measuring distance & light spot is named "Emissivity".
The emissivity of CT-S is 20:1



ORDER INFORMATION

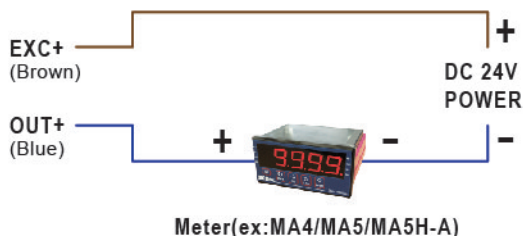
CT-S- Code1 - Code2

Code1	Wire Length	Code2	Temp. range
N	1.5M (Wire type)	100	$0\sim 100^\circ\text{C}$ 600 $0\sim 600^\circ\text{C}$
3	3M (Connector)	150	$0\sim 150^\circ\text{C}$ 800 $0\sim 800^\circ\text{C}$
4	4M (Connector)	200	$0\sim 200^\circ\text{C}$ 1000 $0\sim 1000^\circ\text{C}$
5	5M (Connector)	300	$0\sim 300^\circ\text{C}$ 1200 $0\sim 1200^\circ\text{C}$
O	Option (Connector)	400	$0\sim 400^\circ\text{C}$ $O1$ $-50\sim 300^\circ\text{C}$
		500	$0\sim 500^\circ\text{C}$ $O2$ $-50\sim 600^\circ\text{C}$

PVC Connector
(Water-proof)



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	0.1-0.88		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		