

## NS10 LT

Compact Low Cost Infrared Thermometer  
for Industrial Application and OEMs



## Highlights

- Temperature range : 0°C ~ 500°C
- Optical resolution up to 15:1
- 150 ms response time
- 0~5V or Type K/J output
- RS485 (2-Wire) digital interface
- Power Supply 24VDC
- Rugged IP 65 stainless steel housing
- Standard 2m cable

## General Specifications

Environmental Rating	IP 65 (NEMA - 4)
Ambient Temperature	0°C to 70°C
Storage Temperature	-20°C to 85°C
Relative Humidity	10 to 95%, non-condensing
Cable Temperature	-20°C to 80°C
Weight	150g (2m cable)

## Electrical Specifications

Analog Output	0~5V or Type K/J
Digital Output	RS485 (2-wire)
Minimum Impedance Load (V)	10 KΩ
T/C Output Impedance	20 Ω
Power Supply	24 VDC ± 20%
Current Draw	max. 50 mA
Cable Length	2 m (standard), 5m or 10m

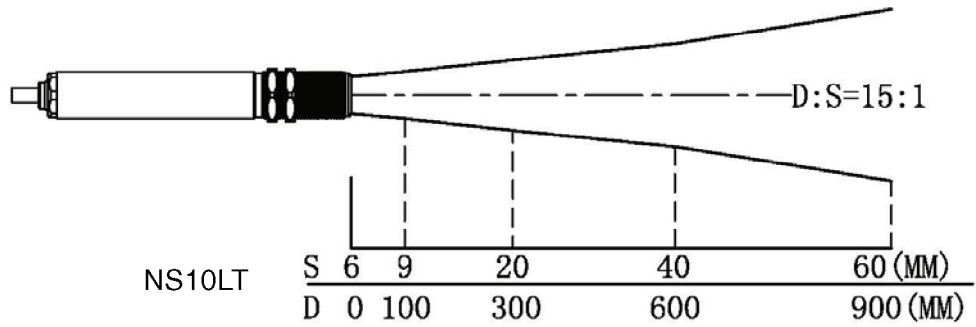
## Measurement Specifications

Model	NS10 LT
Temperature Range	0°C ~ 500°C (32°F to 932°F) Can be customized according to customer's request
Spectral Response	8 ~ 14 μm
Optics Resolution	15 : 1 (90% energy)
Accuracy*1	±1% of reading or ±1.5°C, whichever is greater
Repeatability*1	±0.5% of reading or ±1°C, whichever is greater
Temperature Resolution	0.1°C
Response Time	150 ms (95% signal)
Emissivity	0.100 ~ 1.000 (adjustable)
Signal processing	peak hold, valley hold, average
Software	STonline

\*1 At 23°C ± 5°C, emissivity = 0.95

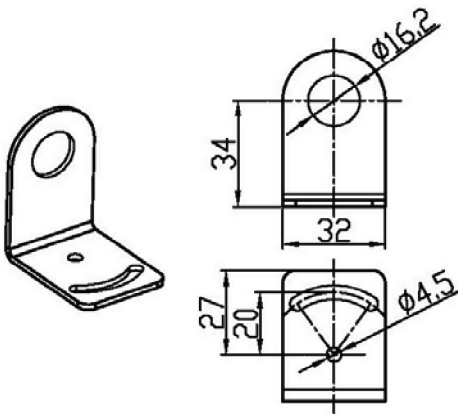


## Optical Specifications

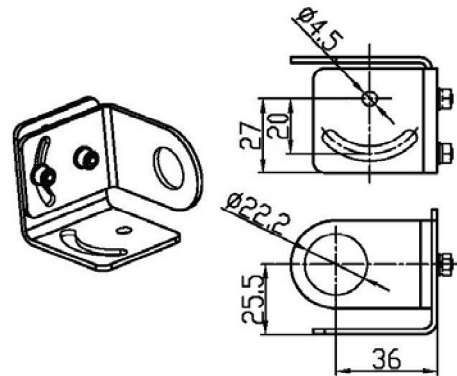


## Accessories

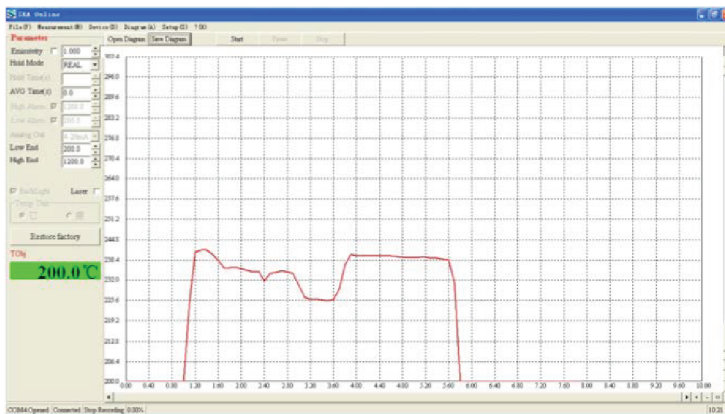
### Fixed Bracket



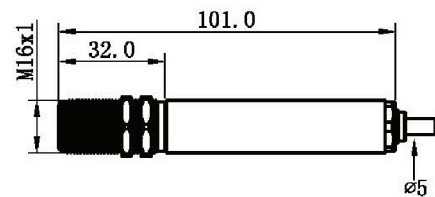
### Adjustable Bracket



## STonline Software



## Dimensions(mm)



Specifications are subject to change without notice  
NS10LT-E201606-A