NS18 Wiring

Model (V/A4)	Power 24VDC(+)	Power 24VDC(−)	Output 0~5V(+) 4~20mA(+)	Output 0~5V(−) 4~20mA(−)	RS485 (T+/A)	RS485 (T-/B)
NS18	red	black	white	green	yellow	grey

Model (A2)	Power/Signal Loop(+)	Power/Signal Loop(−)	TX	RX	GND
NS18	red	black	yellow	grey	green

Model (TypeK/J)	Power 24VDC(+)	Power 24VDC(−)	Output Type K/J(+)	Output Type K(−)	Output Type J(−)	RS485 (T+/A)	RS485 (T-/B)
NS18	red	white	yellow	green	brown	orange	purple

NOTICE

Thank you for choosing the NS18 series infrared thermometer, each single unit passes a quality process before shipment; to ensure its quality and functionality, providing customers with the best service. We need your cooperation in using the NS10LT thermometer, please pay attention to the following two things, in order to ensure the unit can functioning properly. Failure to comply with the following requirements resulting damage the unit is not apply to factory's warranty.

1、Power supply:
   a. When connecting a 24VDC power supply to NS18 series, be sure to confirm the polarity of power, the positive (+) and negative (-) cannot be reversed, otherwise it will damage the thermometer.
   b. The power supply of NS18 series is DC 24VDC. Be sure to use industrial grade power supply to meet the specification. Do not use household level AC Adapter or low cost DC power supply that cannot provide proper protection, in order to avoid over voltage or transient voltage occurs in power system to damage the sensor.

2. Operating (ambient) temperature
   NS18 series have a stainless steel 304 protect housing and provide non-contact temperature measurement up to 500°C or higher through an optical lens. But the NS18 unit is designed to operate in ambient temperature highest to 70°C. Above this range will result in a permanent damage to electronic components.

NS18-E21A