

MIT80-20 Series



Online infrared thermometer

MIT80-20 series online infrared thermometer is an integrated high-performance infrared thermometer. The sensor, optics and electronics are integrated in a stainless steel housing with 1.5m (customizable) shielded cable for power and output connections. The MIT80-20 series of online thermometers measure temperature without drift, have strong stability, high repeatability and interchangeability, Can effectively improve production speed and quality.

Smelting industry



Iron industry



Chemistry and Chemical Engineering



Petrochemical



Industrial monitoring



Smart energy



Features

- Non-contact infrared temperature measurement, safe and efficient
- Fast response and high sensitivity
- Quick connection and easy to install
- Accurate temperature measurement, with accuracy up to 1° C
- Multiple object distance ratios available
- Can meet the needs of various industrial temperature measurement environments

Products parameters

Protection level	IP65 (NEMA-4)
Power supply	8~28 VDC
Output signal	0~5VDC
Spectral range	8~14 μm
Optical resolution	20:1
Response time	300 ms (95%)
Temperature range	0~100°C
Measurement accuracy	$\pm 2\%$ of the measured value or $\pm 2^\circ\text{C}$, whichever is greater
Repeat accuracy	1.5% or $\pm 1.5^\circ\text{C}$
Emissivity	Default setting: 0.95 (can be adjusted through software)
Ambient temperature	0~60° C
Storage temperature	-20~80° C
Relative humidity	10~95% (No condensation)
Material	Stainless steel
Cable length	1.0 m (standard), other special specifications (customized)

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