



Non-contact thermometers


PRODUCT CATALOG

OPTEX Factory Automation developed a line of reliable fixed and portable non-contact thermometers based on infrared technology to perform accurate measurements. These products include various convenient functions to ensure high-accuracy measurement, including integrated digital displays and coaxial laser markers for an easy confirmation of the measurement area.

The portable-type sensors are not only easy to carry and easy to use, but also include USB connectability to a PC for easy management of measured temperature data and other functions.

OPTEX FA's non-contact thermometers enable contact-free, quick, safe measurement of an object's surface temperature, providing valuable contributions in a wide range of societal applications beyond the industrial field.

Installation Models



Compact sensor head for flexible installation IP69K

CS Series

Measurement range


-40~500°C / -40~932°F 0~1000°C / 32~1832°F

Heat resistance

0~100°C / 32~212°F 0~180°C / 32~356°F

4-20mA output

2 × C Contact



M18 cylindrical models IP67

SA-80 Series


Measurement range

0~200°C / 32~392°F 0~400°C / 32~752°F

Heat resistance

0~70°C / 32~158°F

4-20mA output



All-in-one models IP65

BA Series

Measurement range


0~500°C / 32~932°F

Heat resistance

0~50°C / 32~122°F

4-20mA output

1mV/°C output



Separate models IP67

BS Series

Measurement range

0~500°C / 32~932°F

Heat resistance

0~50°C / 32~122°F 0~150°C / 32~302°F

4-20mA output

1mV/°C output

*with optional cooling jacket

Hand-held Models



Wide Measurement Range

PT-2LD

Measurement range

-40~510°C / -40~950°F



Waterproof, Shock Resistant

PT-5LD/7LD

Measurement range

PT-5LD 0~500°C / 32~932°F

PT-7LD -30~200°C / -22~392°F



Long Range with Narrow FOV

PT-S80/U80

Measurement range

-30~600°C / -22~1112°F

PT-U80-USB I/F Data memory

* Specifications are subject to change without prior notice.

* Specifications and technical information not mentioned here are written in Operation Manual. Or visit our website for details.

* All the warnings and cautions to know prior to use are given in Operation Manual.

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