



HORIBA, Ltd.

International Sales Department

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Introduction to HORIBA Infrared Thermometer

December 8th, 2020

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Corporate Outline

Head Office

Founded

Incorporated

Net Sales

Employees

Business

Kyoto, Japan

October 17, 1945

January 26, 1953

200.2 BJPY (FY2019)

8,288 (FY2019)

Manufacturing, sales, services of analysis and measurement equipment



Chairman & Group CEO Atsushi Horiba



Founder Dr. Masao Horiba



Motto "Joy and Fun"

Work that occupies most of the time in our lives should be more fulfilling to be able to enjoy our lives even more. Taking on new challenges and having pride in our work leads us to "Joy and Fun."



Principle of Infrared Thermometer

Infrared Thermometer

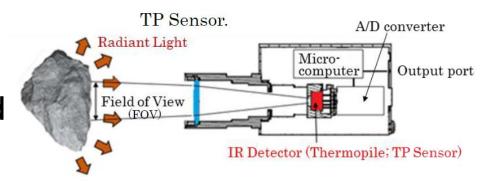
A thermometer that can quickly measure the surface temperature of an object without contact

Heat Energy

Spectral range of the radiation light differs depending on the temperature of the object

Object to be measured

Principle of Infrared Thermometer Infrared radiation is collected by an IR detector and temperature is calculated by the output signal of the IR detector



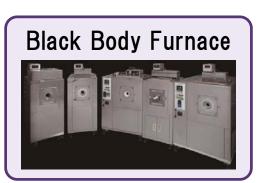
Infrared Thermometer

Spectral emissive power (W/m² µm Radiation Wavelength (µm)

■ HORIBA's Core Technologies

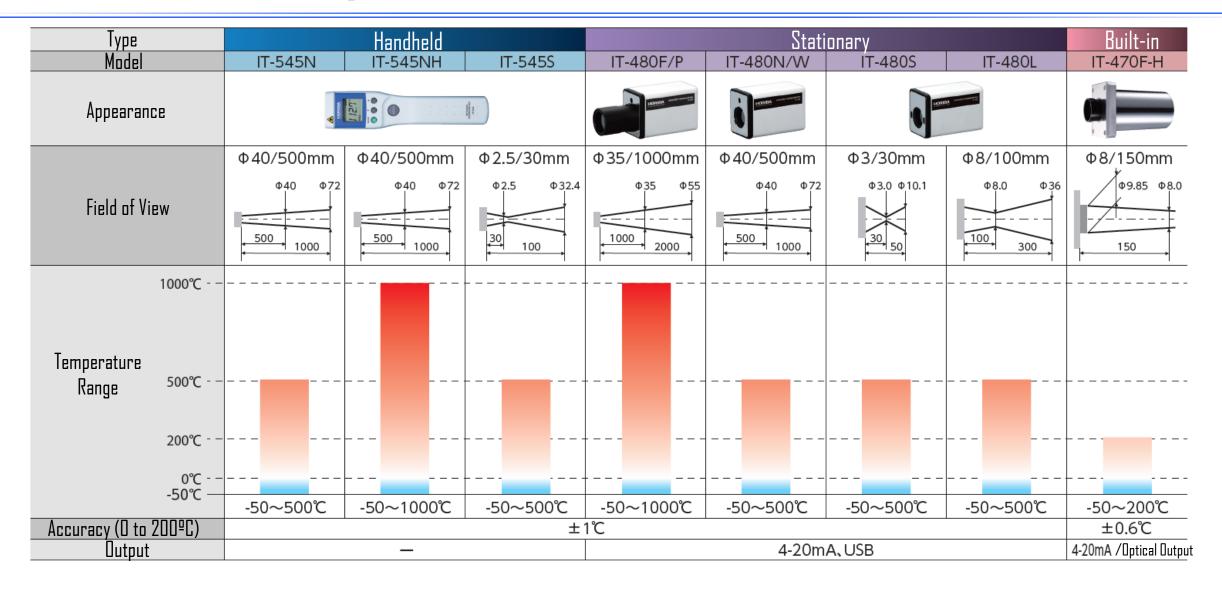
Infrared Filter







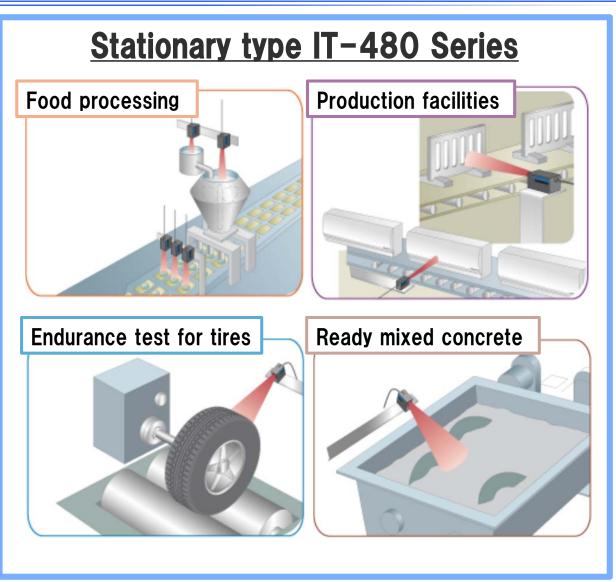
Product Lineup





Application Examples

Handheld type IT-545 Series **Electrical facilities Electronic devices Food production process**







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