

HEITRONICS

Infrarot Messtechnik

Systems and Solutions for
Non-Contact Temperature Measurement
from $-100\text{ }^{\circ}\text{C}$ to $3000\text{ }^{\circ}\text{C}$ ($-150\text{ }^{\circ}\text{F}$ to $5400\text{ }^{\circ}\text{F}$)



Good reasons to have HEITRONICS as your partner

HEITRONICS is a leading manufacturer of Non-contact Temperature Instruments.

World-Wide Representation

Local Partners in Europe, America and Asia offer support and services to you and your customers.

Turnkey Service

We will work with you through all phases of your application, from selecting the best instrument to custom installation to system deployment.

Comprehensive service

Our local service centers provide full support and maintenance services, including repair and calibration of your infrared measuring instruments.

Quality system of the highest level

We require 100 % adherence to specifications during final inspection and burn-in tests for each instrument. Calibration traceability to the national metrological institute, PTB, ensures high product quality.

Products for any application

From heavy industry to research, food technology to medicine, glass production to environmental technology, our instruments work in the production, processing and development of materials and products in every industry.

Custom solutions

We adapt our devices to your requirements. We carefully analyze your manufacturing process to establish optimal measuring conditions, and supply both hardware and software solutions for your application.

Low maintenance cost

Our robust design, long-term stability and drift-free measurement process ensure long service life.

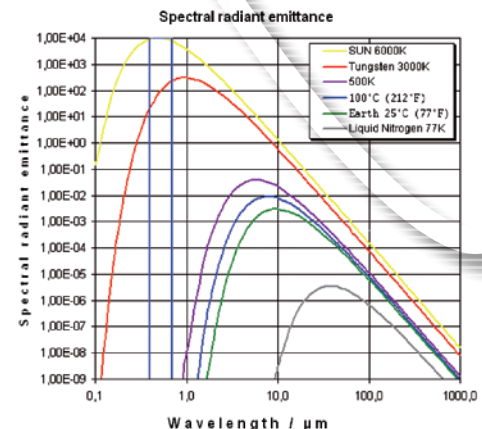
MTBF of 100,000 h
Long-life



Fast Measurement
response times from 1 ms



Made in Germany
100 % Quality



Lead using leading edge technology

A complete and proven line of Infrared Temperature Measurement Instruments.

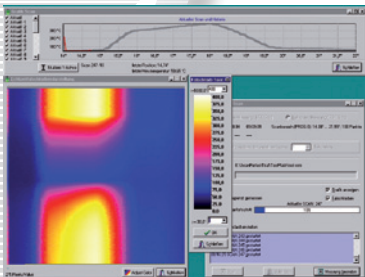
High End

Accuracy 0.1 °C (0.2 °F)



Heavy Duty Housings

for harsh environments



Thermography

for continuous industrial operation

Custom Solutions

for any application

Long-term stable measurements

High-quality optics and infrared coatings, combined with semiconductor and pyroelectric detectors and digital signal processing, guarantee excellent long-term stability of your measurement.

Drift-free measurement

The HEITRONICS chopped radiation method eliminates thermal drift and allows fast process changes without break-in periods or stabilization time.

Long-life devices

Our instruments have a MTBF of 100,000 hours, corresponding to 11 ½ years of life.

Fast measurement at low temperatures

With response times from 5 ms at temperatures as low as 0 °C (32 °F), fast processes can be measured and controlled.

Robust design

Stainless steel housings and protective/cooling jackets can handle aggressive and harsh environments.

Calibration for high-level requirements

Our instruments are calibrated in our laboratory to the highest accuracies, using over 25 blackbody calibration sources from -70 °C to 3000 °C (-95 °F to 5400 °F).

Products and systems always on the leading edge ...

... by continual improvement and our use of new technologies.



A complete and proven Product line

Products for every application,
with service, maintenance and calibration available.

■ Compact Sensors and Infrared Thermometers



Temperature sensor MTS05, IR Thermometer CT09 and Cooling Jacket for a variety of low temperature applications

■ Highly Versatile and Heavy Duty Infrared Thermometers



KT15, KTX, CT11, CT13 and CT15; 15 different spectral ranges > 2 microns for thin glass, food, plastic film, roadway, environmental, agriculture and more.

■ Single-color and Two-color Ratio Infrared Thermometers



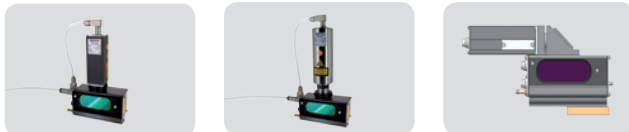
KT18, CT18, and CT18LL; for temperatures > 200 °C (390 °F) and spectral ranges < 2 microns for metals, semiconductors, refractories and more.

■ High Performance Infrared Thermometers



KT19, TRT (Transfer Radiation Thermometer) and Multi-Spectral Thermometer; Highly Versatile; Superb Features; Spectral ranges > 2 microns.

■ Process Thermal Imaging



LS15, LS15HD and LS15 with in-line scanning orientation. Infrared Line Scanner; 10Hz scan speed, 90 degree scan angle; 19 different spectral ranges

■ Temperature Calibrators



SW20, ME30, SW10/11 Blackbody Radiation Sources up to 2.4 in. / 60mm cavity dia. or up to 1000 °C (1830 °F); Portable SW15 ≤ 100 °C (212 °F), not shown

Visit our website for more information, interesting facts and downloads about "Non-contact temperature measurement from -100 °C to 3000 °C (-150 °F to 5400 °F).

Systems and Solutions

■ for Combustion Gas Temperature



KT19.69 approved by German TUV for Incinerators; applicable to fossil fuel fired utility boilers and kilns

■ for Material Research and Calibration



(KT19.XXII) with up to 15 spectral ranges in one unit Transfer Radiation Thermometer (TRT)

■ for Highly Reflective Metal Strip and Rolls



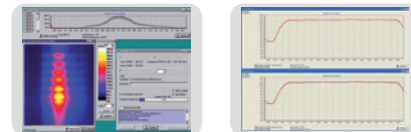
LT13EB, LT15EB ; with several different gold cup emissivity booster options for different working distances

■ for high temperature Steel Industry applications



CT18 and fiber optic version CT18LL with heavy duty protective and mounting hardware

■ Application Software



ScanPerfect for process imaging and line scanner profiles; EasyMeas for pyrometer data logging

■ Temperature Display



Display, alarm, signal conditioning, analog/serial outputs and more.