

THE RIGHT PARTNER

FOR PRECISE NON-CONTACT TEMPERATURE MEASUREMENT
WITH LONG-TERM STABILITY
FROM -100 °C TO 3000 °C



Decades of experience and success.
Standard solutions and customized systems.
Potential applications are nearly unlimited.

HEITRONICS - THE RIGHT PARTNER

Leading today from 50 years of experience

Infrared Pyrometers for every application - Made in Germany

The combination of project experience, engineering and selection of high quality components along with user-friendly software for providing tailor-made solutions creates a complete product portfolio.



Reliable partner

We offer our clients a competent and reliable partnership throughout decision making and support: From development, to physicist, to engineer, to production technicians and operators.

We are at your service for consulting, planning, analyzing samples, installation supervision, commissioning and for review and validation of measurement results.

Security of supply

HEITRONICS almost exclusively uses components from local suppliers and is therefore independent from global supply chain disruptions. From us, you can get everything required for a complete solution, including software.

Concentrate on your core business - HEITRONICS takes on the measurement task

To use Radiation Thermometers you do not need in-depth knowledge of the measurement process. HEITRONICS takes care of it for you.

Our extensive services

Qualified technicians, a high quality calibration laboratory and traceability to national standards ensure thorough in-house calibration and repair service.



Supply agreements for OEM's

Our production department offers flexible solutions for scheduling delivery dates.

Purchase in your time zone and language

Our network of worldwide representatives is available to provide local advice and support.



Lead using leading edge technology and premier customer service

Reliable high performance temperature measurement is guaranteed

High-quality optics plus superior pyroelectric and semiconductor detectors are combined with advanced digital processing components using techniques and know-how refined during the past 50 years.



Superb measurement accuracy due to the chopped radiation method

The proven HEITRONICS chopped radiation method eliminates or minimizes thermal drift to produce stable temperature measurements, even during ambient temperature change and thermal shock that can occur during normal customer operations, at machine start-up or during upset process conditions.



Long lifetime and low cost of ownership assured

Our Infrared Radiation Thermometers have an MTBF of 100,000 hours, or 11.5 years. Today's HEITRONICS thermometers are made to easily replace 20+ year old units which further reduces the total cost of long term ownership.



Preset measuring parameters

The extreme level of support we offer our clients includes helping our customers decide which settings are best for each application in addition to presetting of all required internal parameters upon request.

Emissivity and spectral range determination services

Our application lab is at your service to help determine the best solution to your measurement needs (due to different radiation properties of surfaces and measured objects, please, send us a small sample for evaluation and emissivity determination).

Flexibility for choosing the type of output signal and data transmission

There are many standards and options to specify, set or request.

Robust instruments with low maintenance costs

Increase the reliability of your system by choosing HEITRONICS as a partner.

Experience

We not only develop instrumentation, we implement our solutions for individual requirements.

Partnership

We strive to be your partner from the beginning throughout the active service life.

Compatible replacements

Secure and upgrade your system after 20 years or longer.

Direct support

For competent answers from experts via phone, email or virtual meetings.

Simple and understandable

Understandable technical documentation available.

We are available to support you

By supplying just one unit or scheduled releases over time.

Delivery reliability without supply bottlenecks

We obtain most of our components from local suppliers.

Flexibility for short-term requirements can thus be quickly secured.

Our internal production can react flexibly to short-term requirements.

HEITRONICS

Infrarot Messtechnik



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Specifications are subject to change without notice.

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Compact Series



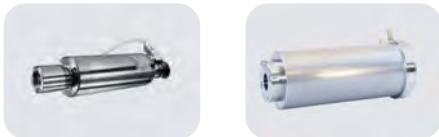
Temperature Sensor MTS05 II, Infrared Radiation Thermometer CT09, cooling jacket (available in low temperature ranges)

Versatile, high performance Thermometer



KT and CT Series; many single-color spectral ranges available > 2 μ m: For glass, food, plastics, asphalt, environmental, agriculture...

Single-color and Two-color Ratio Thermometer



KT and CT Series for metals, graphite, semiconductors, high temperature furnaces

Highest Accuracy Thermometers



KT19 II Series, Multi-spectral KT19.XX, Transfer Radiation Thermometer TRT Series

Thermography



LineScanner and camera set KT19 II

Blackbody Calibration Sources



Blackbody radiators (ME and SW Series): ≤ 60 mm radiator aperture or $-20 \dots 1000$ °C

Systems and solutions

For Combustion Gas Temperature



KT19.69 II approved by German TÜV for incinerators

For Material Research and Calibration



KT19 II, Transfer Radiation Thermometer, KT19.XX II (with up to 15 spectral ranges in one unit)

For low temperature reflective metallic surfaces



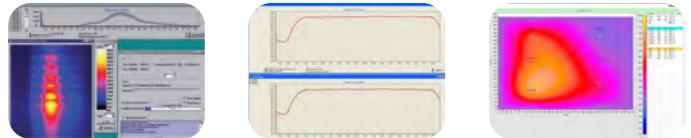
LT13 EB, LT15 EB for temperature measurement from 0 °C to 200 °C, emissivity booster

For Metals and Semiconductor Applications



CT18, CT18LL with fiber optic cable

With Application Software



For configuration, measurement, visualization (ScanPerfect for LineScanner, EasyMeas for pyrometers)

TempControl 2.0 (for incinerators)

Portable Blackbody



...SW15: ≤ 121 °C

Displays and Signal Processing



Display, alarm, measured value processing, analog and digital interfacing