

**BASF**

We create chemistry



# *EXACTUS*<sup>®</sup> HELIOS Pyrometer

A high precision handheld pyrometer by  
**BASF Environmental Catalyst and  
Metal Solutions**

## What Makes Our Product a Must-Have

- Measurement range: 400–3000°C  
(752–5432°F)
- Capture clear images every time
- Powered by *EXACTUS*<sup>®</sup> technology
- Intuitive touchscreen interface
- Response time: 0.10 ms
- Accuracy: ±0.2%



*Ideal for industries such as*  
**Glass, steel, petrochemical,  
calcining, and beyond.**

# HELIOS Handheld Pyrometer is built for Reliability and performance

For over 60 years, BASF ECMS has been at the forefront of high-quality temperature sensing. ECMS's expertise spans from pioneering advancements in sensor materials to developing innovative solutions for various industries.

## Features

### 01 Equipped with *EXACTUS*® technology for superior accuracy

Delivers unmatched accuracy and reliability in a portable format.

### 03 Laser targeting

Enables accurate measurement positioning with two highly visible green laser spots.

### 02 Integrated camera

Easily capture and link measurement real time images to data points. Streamline your workflow with this intuitive feature.

### 04 Interactive touch screen

Easy-to-use interface enables quick and simple setup and adjustments.



Rechargeable with USB-C  
Temperature units can be switched between Celsius (°C) and Fahrenheit (°F).

## Specification

Measurement range	400–3000°C / 752–5432°F
Uncertainty	± 1.5°C or 0.15% of measured temperature
Drift/Stability	Electronics: Max 0.10°C per year (maximum)
Speed	Up to 1000 readings per second
Detector type	Single wavelength 0.9 um
Resolution	0.01°C
Sealing /IP Reading	IP61
Weight	600g (1.3lb)



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