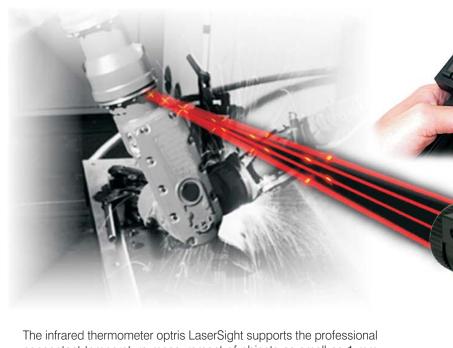
## More Precision.





Infrared thermometer with crosshair laser sighting - the alternative to thermal imagers



The infrared thermometer optris LaserSight supports the professional noncontact temperature measurement of objects as small as 1 mm in a temperature range between -35°C and +900°C. This thermometer can be used in characteristic applications like preventive maintenance, quality management, research and development and electronic design. The precision of the crosshair laser sighting indicates the spot size at any distance with absolute exactness. The highquality optical performance is a distinguishing feature of the LaserSight.

## **FEATURES**

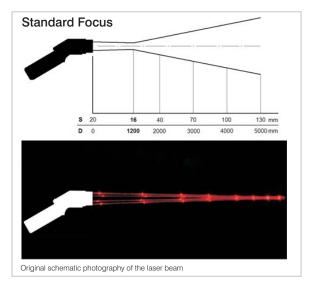
- The new performance standard of infrared thermometers: detecting spot sizes as small as 1 mm for the measurement of finest details
- crosshair laser sighting marks real spot size at any distance
- temperature range from -35° to +900°C
- optical resolution 75:1
- thermocouple input
- USB interface and graphic software with oscilloscope function for 20 data per second
- flip display switches into most convenient viewing position

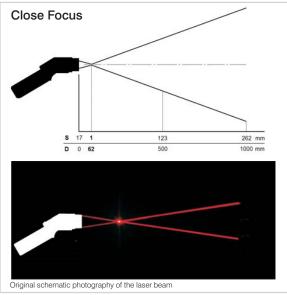


## optris® LaserSight

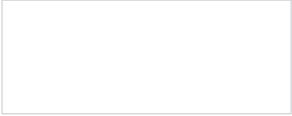
## Technical data

-35° to +900°C (-30°F to 1650°F)
8 - 14 μm
$\pm 0.75$ °C or $\pm 0.75$ % of reading <sup>1)</sup>
(at ambient temperatures 23 ±5℃ at 20 - 900℃ range)
0,05K/K or $\pm$ 0,05%/K <sup>1)</sup>
(below 20℃ and above 30℃ ambient temperature)
0,1°C
$\pm 0.5^{\circ}$ C or $\pm 0.5\%$ of reading <sup>1)</sup>
150 ms (95% signal)
75:1
16 mm @ 1200 mm (90% energy)
switchable to focus:
1 mm @ 62 mm (90% energy)
1 mm
standard focus: patented crosshair laser
(crosshair size = IR spot size@any distance)
close focus: two point laser
(laser dot size = IR spot size@focus distance)
0,100 1,100; adjustable
MAX/MIN/HOLD/DIF/ AVG/°C/°F
audible and visible HIGH/LOW alarm
LC flip display (horizontal and vertical
viewing directions controlled by position sensor
white and alarm colors
auto scaling
0°C - 50°C
-30°C - 65°C
10 - 95% (non condensing)
420 g
89/336/EWG
IEC 68-2-6: 3 G, 11-200 Hz, any axis
IEC 68-2-27: 50 G, 11 ms duration, any axis
TEC 00-2-27: 30 G, 11 This duration, any axis
-35°C to 900°C (-30°F to 1650°F)
$\pm 0.75$ °C or $\pm 1\%$ of reading <sup>1)</sup>
USB
100 measurement protocols with time
stamps, customizable 4 digit location
and material names
LSconnect oscilloscope software with 20
readings per second
Battery 2xAA Alkaline or via USB
5 h with laser on and 50% backlight use
10 h with laser on and w/o backlight
25 h w/o laser and backlight
1/4-20 UNC
USB cable and software
t/c type K insertion probe
carrying case, padded pouch, wrist strap,
batteries
Calibration certificate











<sup>1)</sup> whichever is greater