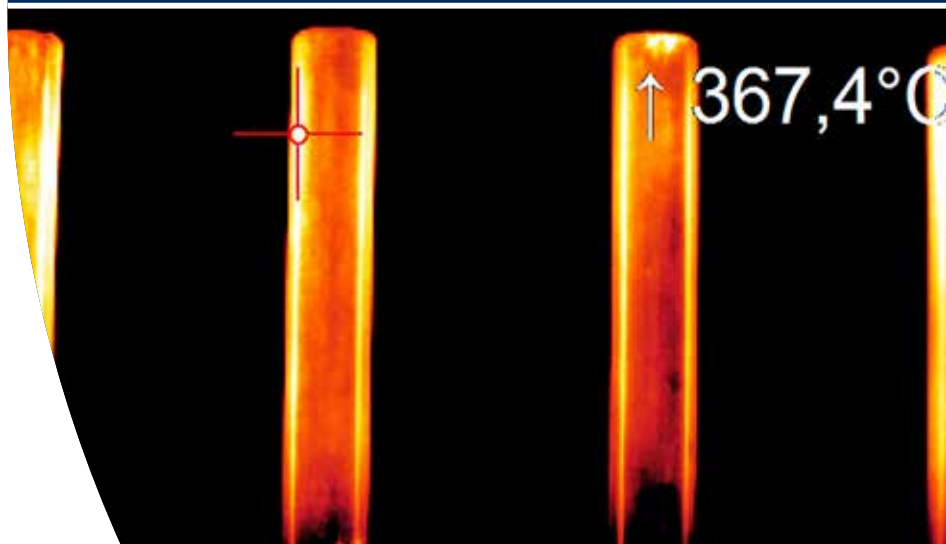




PI 450 G7

Infrared camera for glass industry
including line scan function

innovative infrared technology



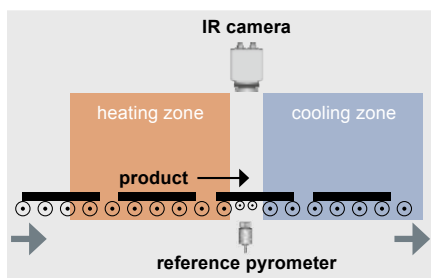
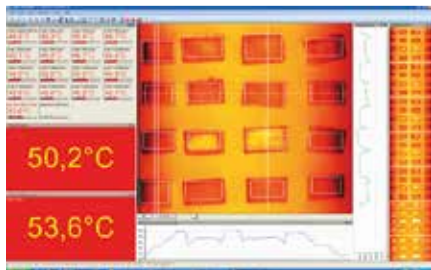
optris® PI 450 G7

TECHNICAL DATA

Thermal imaging solution for the glass industry

Features:

- Line scan function through license-free analysis software optris® PI Connect
- Compact in size of 46 mm x 56 mm x 90 mm
- Frame rate of 80 Hz
- Withstands ambient temperatures of up to 70 °C without additional cooling



Type	PI 450 G7
Optical resolution	382 x 288 pixels
Detector	FPA, uncooled (25 µm x 25 µm)
Spectral range	7.9 µm
Measurement range	200 ... 1500 °C
Sighting range	0 ... 250 °C
Frame rate	80 Hz/ switchable to 27 Hz
Optics (FOV)	38° x 29° (f = 15 mm) 62° x 49° (f = 8 mm) 80° x 58° (f = 7.3 mm)
Thermal sensitivity (NETD) at T _{Obj} = 650 °C	130 mK
Accuracy	±2 °C or ±2 %, whichever is greater
PC interface	USB 2.0
Process interface (PIF), standard	0 – 10 V input, digital input (max. 24 V), 0 – 10 V output
Process interface (PIF), industrial	2x 0 – 10 V input, digital input (max. 24 V), 3x 0 – 10 V output, 3x relay (0–30 V/ 400 mA), fail-safe relay
Cable length (USB)	1 m (standard), 5 m, 10 m 5 m and 10 m also as HT cable (180 °C)
Ambient temperature	0 ... 70 °C
Storage temperature	–40 ... 85 °C
Relative humidity	20 – 80 %, non-condensing
Enclosure (size / rating)	46 mm x 56 mm x 90 mm / IP 67 (NEMA 4)
Weight	320 g, incl. lens
Shock ¹⁾	IEC 60068-2-27 (25 g and 50 g)
Vibration ¹⁾	IEC 60068-2-6 (sinus-shaped) / IEC 60068-2-64 (broadband noise)
Tripod mount	¼ – 20 UNC
Power supply	USB powered
Scope of supply (standard)	• USB camera with 1 lens • USB cable (1 m) • Table tripod • PIF cable (1 m) incl. terminal block • Software package optris® PI Connect • Hard transport case

¹⁾ for more details see operator's manual