

Industrial process interface (PIF)

innovative infrared technology



optris[®] Industrial process interface

Features:

- Industrial process interface with 3 analog / alarm outputs, 2 analog inputs, 1 digital input, 3 alarm relaxs
- 500 VAC_{RMS} isolation voltage between camera and process
- · Separate fail-safe relay output
- PI/Xi hardware including all cable connections and PIX Connect software are permanently observed during operation



5–24 V DC
2 green LEDs for power and fail-safe/ 3 red LEDs for alarm relay status
500 VAC_RMS between PI/Xi camera and process
3 analog / alarm outputs 3 alarm relays ¹⁾
2 analog inputs 1 digital input
0/4-20 mA (for AO 1–3) 0–30 V / 400 mA (for alarm relays DO 1–3) 0–10 V (for Al 1–2) 24 V (for DI)

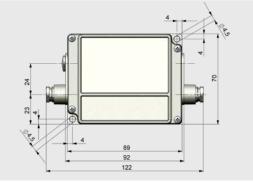
¹⁾ Active if AO1, 2 or 3 are programmed as alarm output

Trogrammable leatures	Programmable features			
Analog inputs	 Emissivity setting Ambient temperature compensation Reference temperature Uncommitted value Flag control Triggered snapshots, triggered recording, triggered line scan camera, triggered event grabber Reset peak-/valley-hold 			
Digital input	 Flag control Triggered snapshots, triggered recording, triggered line scan camera, triggered event grabber Reset peak-/valley-hold 			
Analog outputs	 Main measure area Measure area Internal temperature Flag status Alarm Frame sync. Fail-safe External communication Center pixel (direct output)* 			

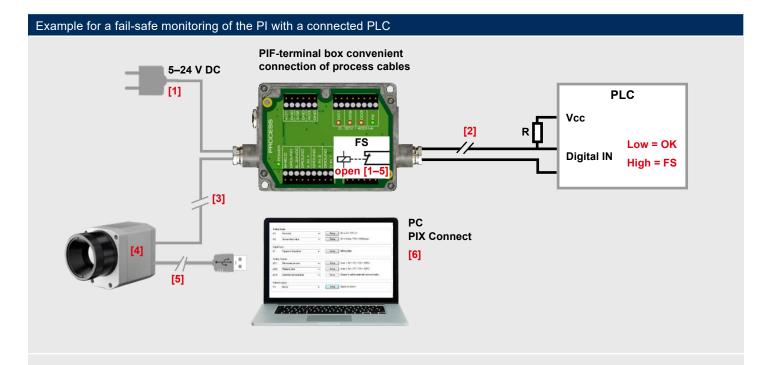
General specifications

Environmental rating	IP65 (NEMA-4)
Ambient temperature	–30 °C 85 °C
Storage temperature	–30 °C 85 °C
Relative humidity	10-95 %, non condensing
Vibration	IEC 60068-2-6 (sinusoidal form) IEC 60068-2-64 (broadband noise)
Shock	IEC 60068-2-27 (25 G and 50 G)
Weight	610 g (with 5 m cable)
Cable length	5 m HT cable (standard), optional 10 m and 20 m

Technical images



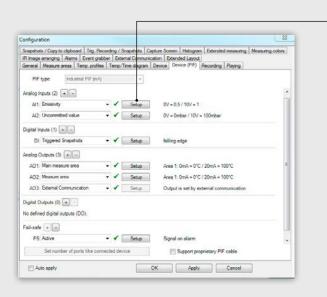


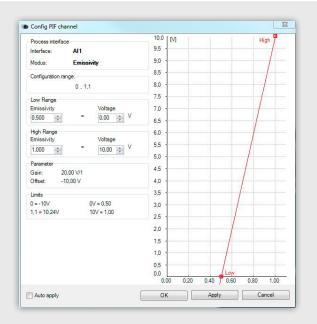


Fail-safe monitoring states

- [1] Breakdown of PIF power supply
- [2] Cable break of fail-safe cable
- [3] Interruption of cable PI PIF
- [4] Malfunction of PI camera
- [5] Breakdown of PI power supply/ Interruption of USB cable
- [6] Malfunction of PIX Connect software

Snapshot of programmable features





Fail-Safe status:

Normal:	Relay closed	LED on
Alarm:	Relay open	LED off

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