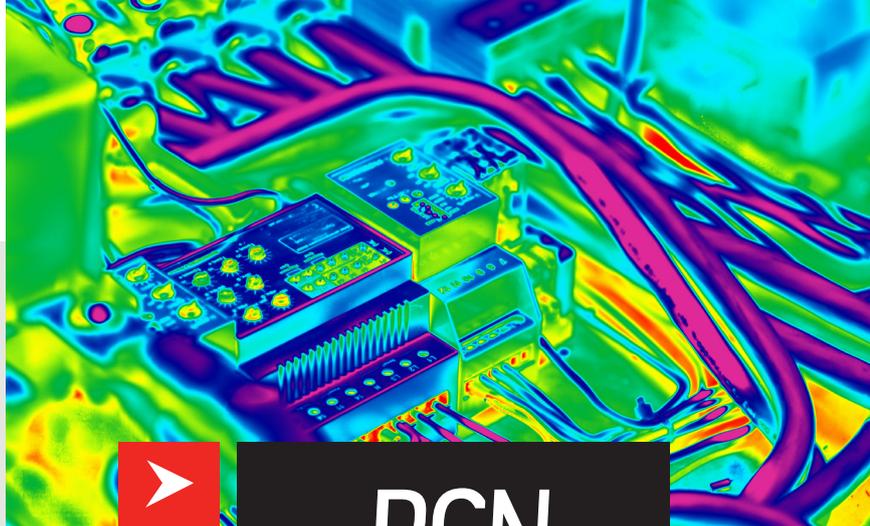




▶ PCN



PCN

DUAL BLACKBODY FOR PRODUCTION LINES

▶ SPEED UP YOUR SENSORS CALIBRATION WITH PCN REFERENCE SOURCES

Designed specifically for production lines of thermal cameras, IR cores and IR sensors, the **PCN blackbody family** are the first **low temperature IR** reference sources fully compatible with industrial constraints while offering the performance level of laboratory sources.

A rackable controller with a **user-friendly** interface simultaneously drives the temperature of two independent emissive heads. The compact structure of the heads allows an easy integration in product lines. Moreover, and contrary to other similar products available on the market, the PCN emissive heads are compatible with a wide range of environment temperatures, even with **climatic chambers** operation!

The PCN sources are delivered with a radiometric calibration certificate traceable to **International Primary Standards** for reliable and accurate calibrations and measurements such as non-uniformity correction, bad pixels location, noise level and NETD calculation.



▶ KEY FEATURES

- High thermal uniformity
- Compact emissive heads
- International Primary Standards traceable radiometric calibration certificate
- Real time display of temperature data
- Intuitive interface
- Control through touchscreen panel
- Remote control via Ethernet link
- Infratest - LT control software
- Easy mechanical and software integration

▶ MAIN APPLICATIONS

- Uncooled IR cores
- IR Thermal cameras for surveillance and security
- Thermal sensors for mobile phones
- IR thermometers for human body measurement



▶ SUPPORT AND SERVICES

A large range of support and services are available to ensure maximum uptime and optimal performance of your PCN dual blackbody. It includes service plans, warranty extension, training of your team, measurement services, rental and more.



DUAL BLACKBODY FOR PRODUCTION LINES



→ PCN-7 and PCN-4 can be positioned in any direction

→ Intuitive touchscreen

ref: PCN-Len-rai2

TECHNICAL DATA >

	PCN-4	PCN-7
Emissive area	100 mm x 100 mm	180 mm x 180 mm
Temperature range at ambient 20°C	0°C to 90°C	5°C to 90°C
Thermal uniformity at ambient ±5 °C / at 50 °C	0.01°C/ 0.1°C	0.01°C/ 0.2°C
Emissivity / Apparent emissivity after calibration	0.98±0.02/ 1.00	
Stability	0.02°C	
Temperature measurement accuracy	±0.03°C	
Display resolution	0.01°C	
Remote control	Ethernet	
Power supply	90/260 VAC, 1ph. 50/60 Hz	
Operating ambient temperature	Head: -20°C to +70°C - Control Unit: +5°C to +45°C	
Max. power consumption	1500 W	
Electronic unit size	2U x 19"	

Above information is subject to change without notice



Headquarters

HGH SYSTEMES INFRAROUGES

10 rue Maryse Bastié
91430 Igny, France
Phone: +33 1 69 35 47 70
Fax: +33 1 69 35 47 80
Email: sales@hgh.fr

US Office

ELECTRO OPTICAL INDUSTRIES

320 Storke Rd., Ste. 100
Goleta, CA 93117, USA
Phone: 805.964.6701
Fax: 805.967.8590
Email: sales@electro-optical.com

Asia Office

ASIA INFRARED SYSTEMS

1 Paya Lebar Link
Tower 1 - Unit 04-01
Singapore 408533
Phone: +65 6955 8585
Email: sales@hgh-infrared.com