

PLCD series

<https://www.gigahertz-optik.com/es-es/producto/plcd-series/>

Etiquetas del producto: UV , VIS , NIR ,



Descripción

PLC Detectors which fit Your Application! □ The PLCD-Series

The **PLCD family** is a price attractive flexible product family for direct usage in **PLC applications**. These detectors are based on a electronic board with fix current amplification range and (0 – 20) mA or (4 – 20) mA output current. The fix current amplification range is available in **different configurations** (gain factors).

Analog PLC Detector Solutions for your Application

Furthermore different diode/filter configurations are available or custom setups possible **to address specific customer needs and applications** (e.g. UVC, VIS, etc.). This paired with the configuration of the amplification range makes this product series a powerful solution.

PLC Customized Mechanics Possible

It has to be mentioned that for specific applications **custom designed mechanical housings are possible**. [See for instance the RCH-version which is suited for high temperature applications like UV curing.](#)

Calibration of PLC Sensors

One essential quality feature of detectors is their precise and traceable calibration. The PLCD series is calibrated by Gigahertz-Optik's [ISO/IEC 17025 calibration laboratory](#). Every device is delivered with its respective calibration certificate.



detector series for PLC applications



perfect suited for PLC integration



PLCD-RCHxxx Version for high-temperature applications

Especificaciones

General

Breve descripción

Detector for direct use in PLC applications

Características principales	(0-20) mA, (4-20) mA or (0-5) V version with different amplification ranges available. Application specific spectral responsivities available (UVC, VLambda, etc.)		
Rangos de medición	depending on the configuration		
aplicaciones típicas	feedback sensor for control of PLC machines, 254 nm disinfection (air treatment, water treatment), illuminance measurement, irradiance measurement, etc.		
Calibración	depending on the configuration / version and application		
Especificación			
corriente	(0 - 20) mA (Version 1) (4 - 20) mA (Version 2) (0 - 5) V (Version 3)		
Rangos de ganancia de corriente/tensión	Gain options	A/mA	A/V
		(Version 1 & 2)	(Version 3)
	10	1.00E-10	1.00E-9
	9	1.00E-9	1.00E-8
	8	1.00E-8	1.00E-7
	7	1.22E-8	1.22E-7
	6	3.03E-8	3.03E-7
	5	1.00E-7	1.00E-6
	4	1.47E-7	1.47E-6
	3	1.00E-6	1.00E-5
	2	1.47E-6	1.47E-5
	1	1.00E-5	1.00E-4
Carcasa	10 mm Ø difusor 37 mm Ø housing x 25 mm height (standard housing, different mechanical housing on demand)		
Filtro	depending on the application (some exemplary configurations: UV254, UVA, Erythem, VLambda, etc.)		
Conexión eléctrica	no connector plug, open wire		
rango de temperatura	(5 - 40) °C		
Longitud del cable	2 m (Standard length, other lengths on request)		
Fuente de alimentación	(3 - 25) V		

Información de compra

Número de artículo	Modelo	Descripción
Producto		
15313021	PLCD-UVC-1-01-0	UV 254nm version with gain = 1 and open connector
15312924	PLCD-UVBLUE-1-09-0	UVBlue (365nm, 405nm) version with gain = 9 and open connector
15313535	PLCD-RCH216-1-09-0	RCH216 version with gain = 9 and open connector
	PLCD-xxx-y-z	request for a customized version

Contacto, calibración, servicio y asistencia

Somos conocidos en todo el mundo por nuestro excelente asesoramiento técnico y asistencia posventa. Póngase en contacto con nosotros para encontrar juntos la mejor solución para usted. Nuestros servicios:

- Asesoramiento técnico y ventas
- Soporte postventa
- Calibraciones y recalibraciones (servicios de calibración ISO/IEC 17025, calibración en fábrica, calibración de productos de terceros)
- Reparaciones y actualizaciones
- Consultoría OEM y de viabilidad de soluciones personalizadas

[Envíenos su consulta](#) o póngase en contacto con nosotros por teléfono o correo electrónico. También nos gustaría recibir sus comentarios o reseñas en [Google](#).

Gigahertz Optik GmbH (Sede central)

Tel.: +49 (0)8193-93700-0
Fax: +49 (0)8193-93700-50
info@gigahertz-optik.de

An der Kaelberweide 12
82299 Tuerkenfeld, Germany

Gigahertz-Optik, Inc. (Oficina de EE.UU.)

Phone: +1-978-462-1818
info-us@gigahertz-optik.com

Boston North Technology Park
Bldg B - Ste 205
Amesbury, MA 01913 USA