

P-9202-4

<https://www.gigahertz-optik.com/en-us/product/p-9202-4>

Product tags:



Description

Transimpedance amplifier for Light Detectors

Silicon, Germanium and Indium Gallium Arsenide Photodiodes offer best linearity correlation of light input to their electrical signal when are operated in photovoltaic mode. Simulation of a real short circuit at a signal amplifier input requires a current to voltage conversion amplifier with very low offset voltage independent of the selected gain range.

Low noise output signal

The P-9202 amplifiers assembled in a metal shielding housing equipped with low noise feedback resistors and gold contact read-relays for gain selection offer very low noise voltage signals.

Short rise time model P-9202-4

The P-9202-4 model is a fast amplifier with a 8-step switchable sensitivity range from 300 nA/V to 1 mA/V and a nearly constant slew-rate of 1 μ s in all gain ranges. Photodiodes can be operated in photovoltaic or photodiode mode (-5 V bias voltage). Useful in applications requiring high bandwidth up to 330 kHz or short 1 μ s rise time.

General purpose model P-9202-5

The P-9202-5 model is a general purpose amplifier featuring an 8-step switchable sensitivity range from 100 pA/V to 1 mA/V and gain dependent slew-rate. Photodiodes can be operated in photovoltaic or photodiode mode (-5 V bias voltage).

Very high gain model P-9202-6

The P-9202-6 model is a very high sensitivity amplifier with an 8-step switchable sensitivity range from 10 pA/V to 100 μ A/V and variable, gain dependent slew rates. This model is suited to applications involving very low photodiode signals starting in the 10 femto A (0.01 pA) range.

Specifications

Product	
Power Supply	(16 - 24) VDC / 80mA Connector: Friwo Nb. 105316 <i>Important Note: only use plug-in power supply supplied</i>
Current Input	Connector: BNC Socket (Shield: -5V BIAS voltage or GND)

Max. signal current	± 5 mA																																																																																																												
max. Input Voltage	DC-Supply Voltage / 2																																																																																																												
Bias	± 5 pA (@ 20 °C)																																																																																																												
Bias	-5 V bias voltage at shield of Input BNC Socket (switchable to 0 VDC or -5 VDC). If -5 V BIAS voltage is used, the anode of the detector has to be connected to the shield and the cathode to the inner contact of the BNC Input connector.																																																																																																												
Output Voltage	Output voltage corresponding to the input current Connector: BNC Socket Max. Output Voltage: ± 9 V Max. Output Current: ± 5 mA If an oscilloscope is used to measure the output voltage, set the input impedance of the oscilloscope to 1MOhm.																																																																																																												
Current / Voltage gain ranges	8 (see "Range Data Specification")																																																																																																												
Measurement range	10 position rotary switch (OFF, REM, 8 Ranges)																																																																																																												
Interface	Optocoupler input for external gain switch (5V / 25mA) Connector: DSUB 9 pins, female																																																																																																												
Remote Range Control	The range can be selected via the remote interface. The rotary switch therefore has be set to "REM". By applying +5VDC voltage (current max. 25mA) at the corresponding control pin of the remote connector the measurement range can be set. Connector REMOTE (Connector Type: DSUB 9 pin female) <table><tr><td>Pin 1</td><td colspan="5">Remote range group selection (Range 1 / 3 / 5 / 7 or Range 2 / 4 / 6 / 8)</td></tr><tr><td>Pin 2</td><td colspan="5">Remote range 7/8</td></tr><tr><td>Pin 3</td><td colspan="5">Remote range 5/6</td></tr><tr><td>Pin 4</td><td colspan="5">Remote range 3/4</td></tr><tr><td>Pin 5</td><td colspan="5">Remote range 1/2</td></tr><tr><td>Pin 6</td><td colspan="5">GND</td></tr><tr><td>Pin 7</td><td colspan="5">Analog output (ROUT = 1k)</td></tr><tr><td>Pin 8</td><td colspan="5">Remote range common</td></tr><tr><td>Pin 9</td><td colspan="5">free</td></tr></table> The desired range is selected by applying a voltage of 5VDC between the corresponding pins an pin 8 <table><tr><td>Range</td><td>Pin 5</td><td>Pin 4</td><td>Pin 3</td><td>Pin 2</td><td>Pin 1</td></tr><tr><td>1</td><td>5V</td><td>0*</td><td>0*</td><td>0*</td><td>0*</td></tr><tr><td>2</td><td>5V</td><td>0*</td><td>0*</td><td>0*</td><td>5V</td></tr><tr><td>3</td><td>0*</td><td>5V</td><td>0*</td><td>0*</td><td>0V</td></tr><tr><td>4</td><td>0*</td><td>5V</td><td>0*</td><td>0*</td><td>5V</td></tr><tr><td>5</td><td>0*</td><td>0*</td><td>5V</td><td>0*</td><td>0*</td></tr><tr><td>6</td><td>0*</td><td>0*</td><td>5V</td><td>0*</td><td>5V</td></tr><tr><td>7</td><td>0*</td><td>0*</td><td>0*</td><td>5V</td><td>0*</td></tr><tr><td>8</td><td>0*</td><td>0*</td><td>0*</td><td>5V</td><td>5V</td></tr></table>	Pin 1	Remote range group selection (Range 1 / 3 / 5 / 7 or Range 2 / 4 / 6 / 8)					Pin 2	Remote range 7/8					Pin 3	Remote range 5/6					Pin 4	Remote range 3/4					Pin 5	Remote range 1/2					Pin 6	GND					Pin 7	Analog output (ROUT = 1k)					Pin 8	Remote range common					Pin 9	free					Range	Pin 5	Pin 4	Pin 3	Pin 2	Pin 1	1	5V	0*	0*	0*	0*	2	5V	0*	0*	0*	5V	3	0*	5V	0*	0*	0V	4	0*	5V	0*	0*	5V	5	0*	0*	5V	0*	0*	6	0*	0*	5V	0*	5V	7	0*	0*	0*	5V	0*	8	0*	0*	0*	5V	5V
Pin 1	Remote range group selection (Range 1 / 3 / 5 / 7 or Range 2 / 4 / 6 / 8)																																																																																																												
Pin 2	Remote range 7/8																																																																																																												
Pin 3	Remote range 5/6																																																																																																												
Pin 4	Remote range 3/4																																																																																																												
Pin 5	Remote range 1/2																																																																																																												
Pin 6	GND																																																																																																												
Pin 7	Analog output (ROUT = 1k)																																																																																																												
Pin 8	Remote range common																																																																																																												
Pin 9	free																																																																																																												
Range	Pin 5	Pin 4	Pin 3	Pin 2	Pin 1																																																																																																								
1	5V	0*	0*	0*	0*																																																																																																								
2	5V	0*	0*	0*	5V																																																																																																								
3	0*	5V	0*	0*	0V																																																																																																								
4	0*	5V	0*	0*	5V																																																																																																								
5	0*	0*	5V	0*	0*																																																																																																								
6	0*	0*	5V	0*	5V																																																																																																								
7	0*	0*	0*	5V	0*																																																																																																								
8	0*	0*	0*	5V	5V																																																																																																								
Miscellaneous																																																																																																													
temperature range	operation: (5 bis 40) °C storage: (-10 bis 50) °C																																																																																																												
Dimensions	105 mm x 80 mm x 45 mm																																																																																																												
Weight	500 g																																																																																																												
Humidity	<80%, non-condensing																																																																																																												
Info	In the case of very high humidity, fault currents of the radiometer are possible at low measuring currents and should be taken into account.																																																																																																												

Configurable with

Product Name	Product Image	Description	Show product
VL-3701		Detector head for the measurement of photopic illuminance in Lux [lx]. Features: $f_1 \leq 3 \%$, $f_2 \leq 1.5 \%$, 0.5 nA/lx, 20mm height, for the usage with Optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/vl-3701
VL-3702		Detector head for the measurement of photopic illuminance in Lux [lx]. Features: $f_1 \leq 6 \%$, $f_2 \leq 3 \%$, 0.5 nA/lx, 20mm height, for the usage with Optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/vl-3702
VL-3704		Detector head for the measurement of photopic illuminance in Lux [lx]. Features: $f_1 \leq 5 \%$, $f_2 \leq 3 \%$, 20pA/lx, 20mm height, for the usage with Optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/vl-3704
VL-3705		Detector head for the measurement of scotopic illuminance in Lux [lx]. Features: $f_1 \leq 5 \%$, $f_2 \leq 3 \%$, 0.2nA/lx, 20mm height, for the usage with Optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/vl-3705
PD-9310A		High sensitive detector head for the measurement of photopic illuminance in Lux [lx]. Features: $f_1 \leq 3 \%$, 2.8nA/lx, 20mm diffuser, for the usage with optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/pd-9310a
PD-9310B		High sensitive detector head for the measurement of photopic illuminance in Lux [lx]. Features: $f_1 \leq 6 \%$, 2.8nA/lx, 20mm diffuser, for the usage with optometers and amplifiers, calibration	https://www.gigahertz-optik.com/en-us/product/pd-9310b
PD-9310B-N		Very high sensitive detector head for the measurement of photopic illuminance in Lux [lx]. Features: $f_1 \leq 3 \%$, 28nA/lx, no diffuser, for the usage with optometers and amplifiers, calibration	https://www.gigahertz-optik.com/en-us/product/pd-9310b-n
LP-9901		Detector head to measure LASER radiant power in W and LASER irradiance in W/m ² . Features: Low height detector with 7mm dia active area, 400 to 1100nm, for the usage with optometers and signal amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/lp-9901
VL-3701 with SRT-M37-L		Detector head to measure the photopic illuminance in lx and the luminance in cd/m ² . Features: front lenses with 1°, 2° or 5° viewing angle, for the usage with Optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/vl-3701-with-srt-m37-l
PD-9310 with SRT-M37-L		High sensitive detector head to measure the photopic luminance in cd/m ² . Features: front lens for 1°, 2°, 5° or 10° viewing angle, for the usage with Optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/pd-9310-with-srt-m37-l

Product Name	Product Image	Description	Show product
LDM-9810		Detector head to measure the photopic spot luminance in cd/m ² . Features: selectable 20', 1° and 6° viewing angles, view finder, focus able achromatic lens, for the usage with Optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/ldm-9810
VL-1101		Photometric detector head with VL-11 mount. Features: modular detector for use with integrating spheres, front lenses etc. For use with optometers and signal amplifiers	https://www.gigahertz-optik.com/en-us/product/vl-1101
LDM-9901		Detector head to measure the photopic spot luminance in cd/m ² . Features: 1.1° viewing angle, simple to use, very low stray light, for the usage with Optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/ldm-9901
ISD-0.8-SiLP		Integrating sphere detector with short rise time for Laser power in W. Features: 8 mm dia, ODM98 coating, 400 nm - 1100 nm responsivity, optional SMA Adapter, for the usage with fast optometers and signal amplifiers, Calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-0.8-silp
VL-1101 + UMPA-0.5-11-RD Detector head		Module detector head for the measurement of photopic illuminance in Lux [lx]. Features: UMPA adapter for usage with integrating spheres, for the usage with optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/vl-1101uumpa-05-11-rd
ISD-5-VL		Integrating sphere detector for luminous flux (lm) of 2π spot sources. Features: 50mm dia, BaSO ₄ coating, 12.5mm dia port, for the usage with optometers and signal amplifiers, Calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-5-vl
ISD-10-VL		Integrating sphere detector for luminous flux (lm) of 2π spot sources. Features: 100 mm dia, BaSO ₄ coating, 15 mm dia port, for the usage with optometers and signal amplifiers, Calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-10-vl
ISD-15P-VL		Integrating sphere detector for luminous flux (lm) of 2π sources. Features: 150mm dia, synthetic coating, 38.1mm dia port, for the usage with optometers and signal amplifiers, Calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-15p-vl

Product Name	Product Image	Description	Show product
TD-11VL01		Photometric, temperature stabilized detector with DP-11 mount. Features: for use with integrating spheres, Operation temperature 50 °C, for use with optometers and signal amplifiers	https://www.gigahertz-optik.com/en-us/product/td-11vl01
RW-3701		Detector head for the measurement of irradiance in W/m². Features: spectral responsivity from 400-500nm (BLUE), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rw-3701
RW-3702		Detector head for the measurement of irradiance in W/m². Features: spectral responsivity from 700-800nm (RED), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rw-3702
RW-3703		Detector head for the measurement of irradiance in W/m². Features: spectral responsivity from 400-800nm (VIS), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rw-3703
RW-3704		Detector head for the measurement of irradiance in W/m². Features: spectral responsivity from 800-1000nm (NIR), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rw-3704
RW-3705		Detector head for the measurement of irradiance in W/m². Features: spectral responsivity from 400-1000nm (VISNIR), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rw-3705
RW-3708		Detector head for the measurement of irradiance in W/m². Features: spectral responsivity from 950-1700nm (NIR), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rw-3708
UV-3701		Detector head for the measurement of irradiance of UV radiation in W/m². Features: spectral responsivity from 315-400nm (UV-A), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3701
UV-3702		Detector head for the measurement of irradiance of UV radiation in W/m². Features: spectral responsivity from 280-315nm (UV-B), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3702
UV-3703		Detector head for the measurement of irradiance of UV radiation in W/m². Features: spectral responsivity from 200/250-280nm (UV-C), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3703
UV-3710		Detector head for the measurement of irradiance of UV radiation in W/m². Features: spectral responsivity from 320-400nm (UV-A), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3710

Product Name	Product Image	Description	Show product
UV-3711		Detector head for the measurement of irradiance of UV radiation in W/m ² . Features: spectral responsivity from 280-320nm (UV-B), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3711
UV-3716		Detector head for the measurement of irradiance of UV radiation in W/m ² . Features: spectral responsivity from 305-400nm (UV-A), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3716
UV-3717		Detector head for the measurement of irradiance of UV radiation in W/m ² . Features: spectral responsivity from 315-400nm (UV-A), low cross talk from radiation > 400 nm, cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3717
UV-3719		Detector head for the measurement of irradiance of UV radiation in W/m ² . Features: spectral responsivity from 250-400nm (UV), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3719
UV-3720		Detector head for the measurement of irradiance of UV radiation in W/m ² . Features: spectral responsivity from 240-320nm (UV), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3720
UV-3721		Detector head for the measurement of irradiance of UV radiation in W/m ² . Features: spectral responsivity from 350-400nm (UV-A), cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3721
UV-3711-308		Detector head for the measurement of irradiance of 308nm Eximer Lasers in W/m ² . Features: flat spectral responsivity beside 308nm. cosine field-of-view, dose measurement in conjunction with P-9710-2 optometer, calibration certificate	https://www.gigahertz-optik.com/en-us/product/uv-3711-308
UV-3718		Detector head for the measurement of high irradiance of UV-C 254nm radiation in W/m ² . Features: pre-aging for long time stability, cosine field-of-view, metal shielded cable, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3718
UV-3725 not active		Detector for the measurement of UV-C 254 nm irradiance in air disinfection applications. Features: wide dynamic range for UV hazard and effective irradiance, wide angle cosine F.O.V. for straylight measurements, for the usage with optometers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3725-1
ISD-5-VISNIR		Integrating sphere detector for radiant power in W of 2π sources. Features: 400 nm - 1100 nm radiometric responsivity, 50 mm dia, 12.5 mm dia port, for the usage with optometers and signal amplifiers, Calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-5-visnir

Product Name	Product Image	Description	Show product
ISD-3P-Si		Integrating sphere detector for Laser power in W. Features: 30 mm dia, 5 mm dia port, synthetic ODM98 coating, 400 nm - 1100 nm responsivity, for the usage with optometers and signal amplifiers, Calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-3p-si
UV-3706		Detector head to measure irradiance W/m ² in Bilirubin phototherapy. Features: Bilirubin actinic responsivity, cosine field-of-view, for use with optometers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3706
UV-3711-308		Detector head for the measurement of irradiance of 308nm Eximer Lasers in W/m ² . Features: flat spectral responsivity beside 308nm. cosine field-of-view, dose measurement in conjunction with P-9710-2 optometer, calibration certificate	https://www.gigahertz-optik.com/en-us/product/uv-3711-2
UV-3724		Detector head for the measurement of UV-B irradiance of TL1 sources in W/m ² . Features: calibrated with TL1 source, cosine field-of-view, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3724
UV-3709		Detector for Blue-light hazard measurements. Features: Single-cell detector, BLH actinic irradiance, for the use with optometer, calibration certificate	https://www.gigahertz-optik.com/en-us/product/uv-3709
ISD-3P-IGA		Integrating sphere detector with InGaAs photodiode and 30 mm sphere for Laser power in W. Features: 800 nm - 1800 nm spectral responsivity, 5 mm dia measurement port, synthetic ODM98 coating, optional SMA Adapter, for the usage with Optometer and signal amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-3p-iga-2
ISD-5-Si		Integrating sphere detector for Laser power in W. Features: 50 mm dia, 12.5 mm dia port, BaSO ₄ coating, 400 nm - 1100 nm responsivity, for the usage with optometers and signal amplifiers, Calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-5-si
MD-37-SU100-VL		Photometric detector head with M30x1 mount. Features: modular detector for use MD-37, SRT and other accessories. For use with optometers and signal amplifiers	https://www.gigahertz-optik.com/en-us/product/md-37-su100-vl

Product Name	Product Image	Description	Show product
MD-37-SU100-VLS		Scotopic detector head with M30x1 mount. Features: modular detector for use MD-37, SRT and other accessories. For use with optometers and signal amplifiers	https://www.gigahertz-optik.com/en-us/product/md-37-su100-vls
PD-9304		Universal detector head for LASER power, illuminance and 400-1100 nm irradiance. Features: Si-photodiode with 1 cm ² , exchange able filters and cosine diffuser, for the usage with optometers and signal amplifiers	https://www.gigahertz-optik.com/en-us/product/pd-9304
ISD-15-Si		Integrating sphere detector for Laser power in W. Features: 150mm dia, 38.1mm dia port, BaSO ₄ coating, 400-1100nm responsivity, for the usage with optometers and signal amplifiers, Calibration certificate	https://www.gigahertz-optik.com/en-us/product/isd-15-si
PD-11 series		Detector head with DP-11 mount. Features: modular detector for use with integrating spheres, front lenses etc, Si, SiLP, InGaAs, SiC, GaP photodiodes, for use with optometers and signal amplifiers	https://www.gigahertz-optik.com/en-us/product/pd-11-serie
MD-37 series		Detector head with M30x1 mount. Features: modular detector for use MD-37, SRT and other accessories, Si, SiLP, InGaAs, SiC, GaP photodiodes, for use with optometers and signal amplifiers	https://www.gigahertz-optik.com/en-us/product/md-37-serie
UV-37 with SRT-M37-L-UV		Detector heads to measure the UV irradiance in W/m ² and the UV-radiance in W/(m ² *sr). Features: front lenses with 1°, 2° or 5° viewing angle, for the usage with Optometers and amplifiers, calibration certificate	https://www.gigahertz-optik.com/en-us/product/uv-37usr-m37-l-uv
UV-3725		Detector for the measurement of UV-C 254 nm irradiance in air disinfection applications. Features: wide dynamic range for UV hazard and effective irradiance, wide angle cosine F.O.V. for straylight measurements, for the usage with optometers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/uv-3725
RCH-0		Detector head for high intensity irradiation as in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, 320-460nm UVABLUe responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-0
RCH-006		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, 200-400nm UV-Broadband responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-006
RCH-008		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, UVA-Peak responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-008

Product Name	Product Image	Description	Show product
RCH-009		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, BLUE-Peak responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-3
RCH-010		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, 240-320nm H-Type responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-4
RCH-011		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, 350-400nm D-Type responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-5
RCH-012		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, 400-450nm V-Type responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-6
RCH-013		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, 305-485nm UVA-VIS responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-7
RCH-014		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, 400nm+436nm BLUE responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-8
RCH-015		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with flexible fiber coupling, light, 436nm BLUE-Peak responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-9
RCH-002		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, (320-460)nm UVABLU responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-002
RCH-005		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, (320-460)nm UVABLU responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-005
RCH-116		Detector head for high intensity UV and BLUE LED sources. Features: Separate light integrator and detector with rigid fiber coupling, (365-440)nm responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-2
RCH-106		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, light, 200-400nm UV-Broadband responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-10

Product Name	Product Image	Description	Show product
RCH-108		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, light, UVA-Peak responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-11
RCH-109		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, light, BLUE-Peak responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-12
RCH-110		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, light, 240-320nm H-Type responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-13
RCH-111		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, light, 350-400nm D-Type responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-14
RCH-112		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, light, 400-450nm V-Type responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-15
RCH-113		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, light, 305-485nm UVA-VIS responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-16
RCH-114		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, 400nm+436nm BLUE responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-17
RCH-115		Detector head for high intensity irradiation in UV or blue light curing processes. Features: Separate light integrator and detector with rigid fiber coupling, light, 436nm BLUE-Peak responsivity, wide viewing angle, for the usage with optometers and amplifiers, calibration certificate.	https://www.gigahertz-optik.com/en-us/product/rch-18

Purchasing information

Article-Nr	Modell	Description
Product		
15295281	P-9202-4	Amplifier, with power supply and manual