

# PHOTODIODE AMPLIFIER : DUAL

## Two Channel Photocurrent Amplifier



PHOTODIODE AMPLIFIER:DUAL

The amplifier combines approved metrology with a simple and comfortable manageability and robustness. The input signal is integrated via a BNC plug, the output voltage and the relay signal is read out via banana plugs.

The amplifier is primarily used in measurement laboratories and in experimental setups. All sglux photodiodes are available with BNC output and can be used with the amplifier. The device comes with a power supply, a case and a BNC cable.

The Photodiode Amplifier: Dual is a two channel photocurrent amplifier.

The instrument is used for amplification of low currents like they are generated by a photodiode. The output signal is a voltage between  $-5V$  and  $5V$ . Both channels have 5 gain settings for amplification and measurement of photocurrents between  $10pA$  and  $400\mu A$ .

## Feature Overview

<b>Measurement properties</b>	Two measurement channels, gain factors $10^4$ , $10^5$ , $10^6$ , $10^7$ und $10^8V/A$ ; photocurrent input via BNC plugs
<b>Output</b>	Output signal $-5V...5V$ via banana plugs
<b>Housing</b>	Powder-coated aluminium housing with good EMC conditions; rubber feet
<b>Accessories</b>	Power supply, BNC cable, case
<b>Optional accessories</b>	Photodiodes from the sglux offer, integrated into a housing with BNC output

Specifications	Wert	Einheit
Degree of protection	IP54	-
Operation temperature	$-40...+80$	$^{\circ}C$
Storage temperature	$-40...+85$	$^{\circ}C$
Power supply	$18...24$	$V_{DC}$
Power consumption (24V)	10	$mA$
Weight	0,54	$kg$