

PHOTODIODE AMPLIFIER : DUAL

Two Channel Photocurrent Amplifier



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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 $400\mu A$.

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.

Feature Overview

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