Photodiode Amplifier Dual

Two channel photocurrent amplifier

sglux
The UV Experts

GENERAL FEATURES

Properties of the Photodiode Amplifier Dual

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 -5 V and 5 V. Both channels have 5 gain settings for amplification and measurement of photocurrents between 10 pA and 400 microA.

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 devices comes with an 18 VDC external power supply.

FEATURE OVERVIEW

Measurement properties	Two measurement channels, gain factors 10^4, 10^5, 10^6, 10^7 and 10^8 V/A (other gain values on request); photocurrent input via BNC plugs
Output	Output signal -5 V ... 5 V via banana plugs
Housing	Powder-coated aluminium housing with good EMC conditions, rubber feet
Accessories	Power supply
Optional accessories	Photodiodes from the sglux offer, integrated into a housing with BNC output

SPECIFICATIONS

Parameter	Value
Degree of protection	IP54
Operating temperature	-40 ... +80 °C
Storage temperature	-40 ... +85 °C
Power supply	18 ... 24 VDC
Power consumption (24V)	10 mA
Weight	0.54 kg