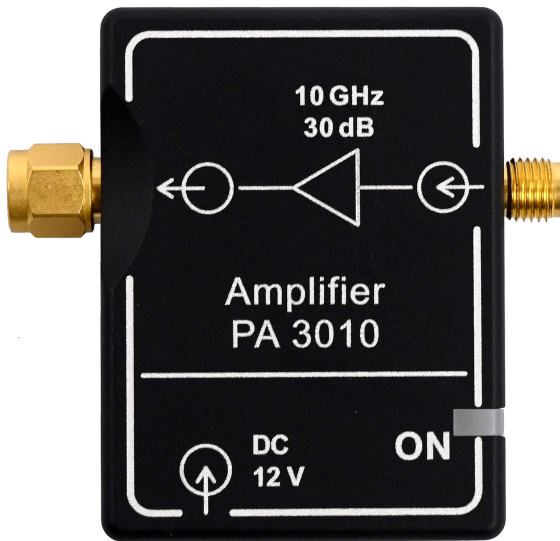


# PA 3010

Preamplifier 10 MHz up to 10 GHz



## Short description

The PA 3010 preamplifier is used to amplify weak measurement signals, e.g. from near-field probes. It is characterized by low noise behavior and a constantly high dynamic range over a wide frequency range.

The PA 3010 is connected to the 50  $\Omega$  input of a spectrum analyzer or oscilloscope. The PA 3010 is powered by a provided plug-in power supply. The preamplifier can be used, for example, to amplify the measurement signals of the Langer near-field probes. For this purpose, a near-field probe with a suitable frequency range and corresponding cable is connected to the input of the preamplifier.

## Technical parameters

Frequency range	10 MHz - 10 GHz
Supply voltage	12 V DC
Gain	typ. 30 dB
-1dB compression point (output)	typ. 18 dBm (at 5 GHz)
Noise figure	typ. 2.5 dB (at 5 GHz)
Current input	170 mA
Max. input power	17 dBm
Weight	60 g
Sizes (L x W x H)	(50 x 38 x 14) mm

Frequency response

