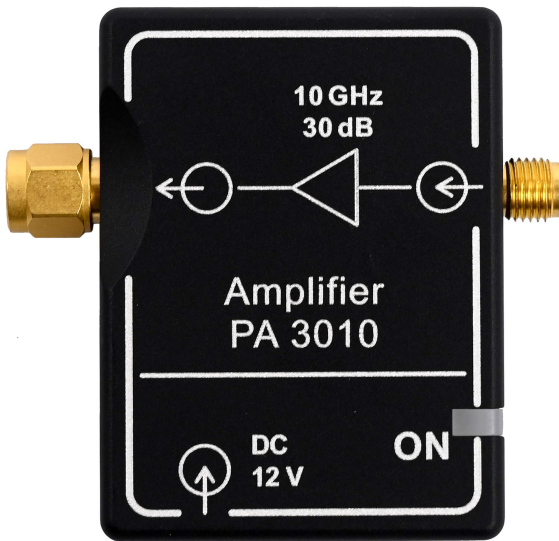


# PA 3010

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

