



Short description

The EPM 02 is suitable for the measurement of fast transients with a bandwidth up to 3 GHz. The dE/dt field meter doesn't have a lower limit frequency. Depending on the noise limit of the used measuring device the usage of the EPM 02 is limited in the lower frequency range. For example, at a noise limit of 126 nV and a field strength of 100 V/cm the measurement limit of the EPM 02 is 1 kHz at the lower frequency. The attenuation of the dE/dt field meter decreases proportionally to the frequency.

Technical parameters

Frequency range	3 GHz
Measuring output	50 Ω, SMB
Correction oscilloscope	$E \text{ [V/cm]: } 3,55 \cdot 10^{12} \cdot \int U_{AV} dt$
Correction spectrum analyser	$E/\text{dB}(\mu\text{V/cm}): u / \text{dB}(\mu\text{V}) + 251 - 20 \log_{10} (\omega/\text{Hz})$
Correction spectrum analyser	$E/\text{dB}(\mu\text{V}): u / \text{dB}(\mu\text{V}) + 251 - 16 - 20 \log_{10} (f/\text{Hz})$
Max. RF-field strength	< 1 kV/cm
Max. pulse field strength	< 100 kV/cm

Frequency response



