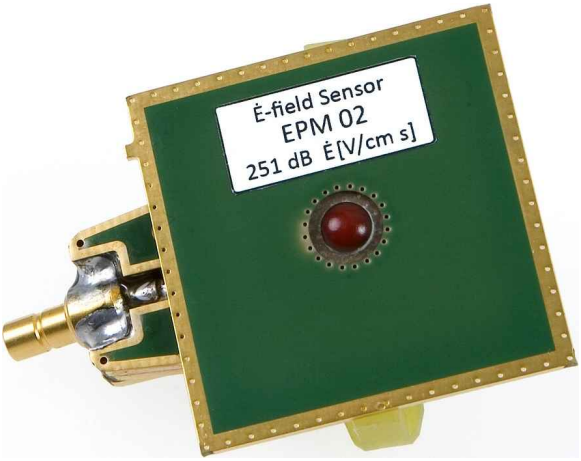
EPM 02
dE/dt Field Meter

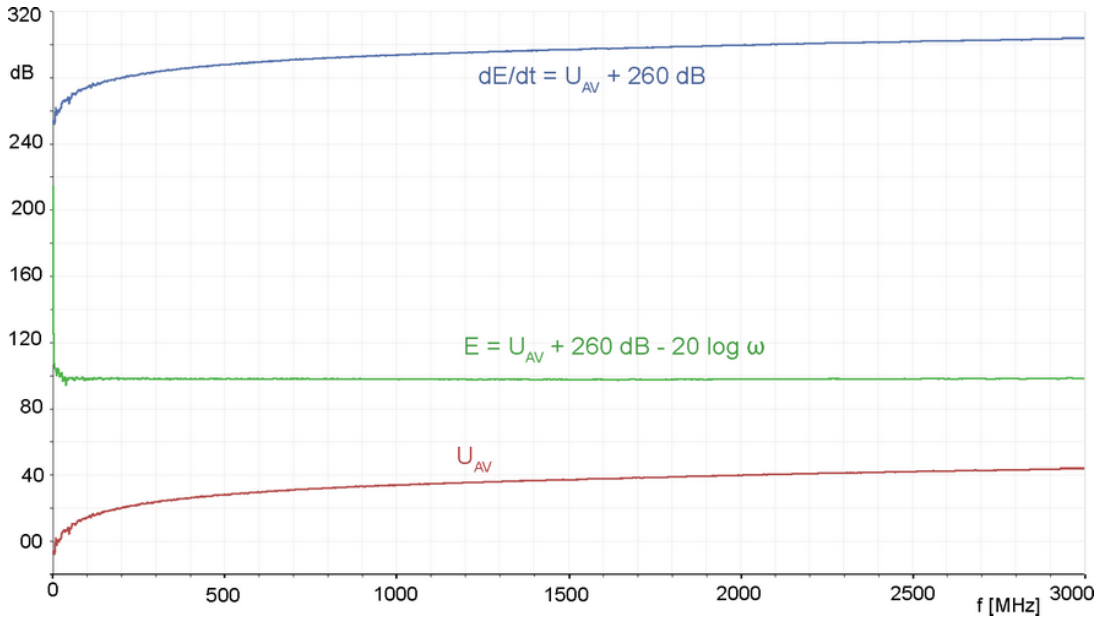
LANGER
EMV-Technik



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 [V/cm]: $3{,}55 \cdot 10^{12} \cdot \int U_{AV}\, dt$
Correction spectrum analyser	E/dB(µV/cm): u / dB(µV) + 251 - 20 log_10 (ω/Hz)
Correction spectrum analyser	E/dB(µV): u / dB(µV) +251 -16 - 20 log_10 (f/Hz)
Max. RF-field strength	< 1 kV/cm
Max. pulse field strength	< 100 kV/cm

Frequency response