



Short description

The EFM 04 field meter is used to measure fast transient fields or RF fields. Time responses or frequency responses can be detected for a bandwidth up to 3 GHz. In connection with the ICE1 IC test environment the EFM 04 is used as a measurement- and calibration bench for field sources of the IC test system. For general purpose measurements, e.g. the measurement of ESD generator's electric fields, the EFM 04 can also be used as measurement and calibration bench.

Technical parameters

Frequency range	1 MHz ... 3 GHz
Measuring output	50 Ω, SMB
Correction oscilloscope	E [V/cm]: $U_{AV} \cdot 20 \cdot 10^3$
Correction oscilloscope	dE/dt [V/cm · s]: $20 \cdot 10^3 \cdot dU_{AV} / dt$
Correction spectrum analyser	E [V/cm]: $U_{AV} + 86$ dB
Correction spectrum analyser	dE/dt [V/cm · s]: $U_{AV} + 86$ dB + $20 \cdot \log \omega$
Max. RF-field strength	1 kV / cm
Max. pulse field strength	100 kV / cm

Frequency response

