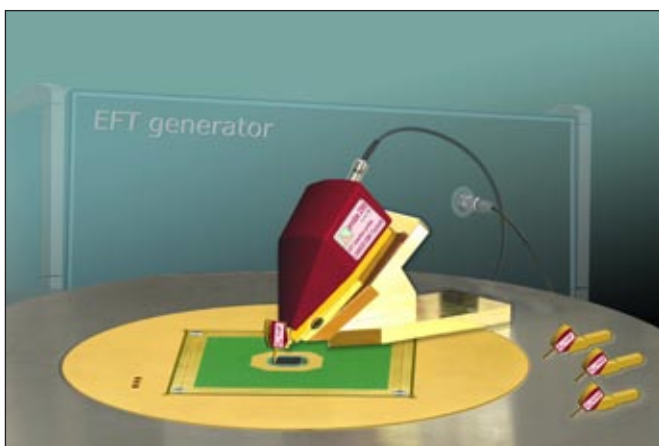
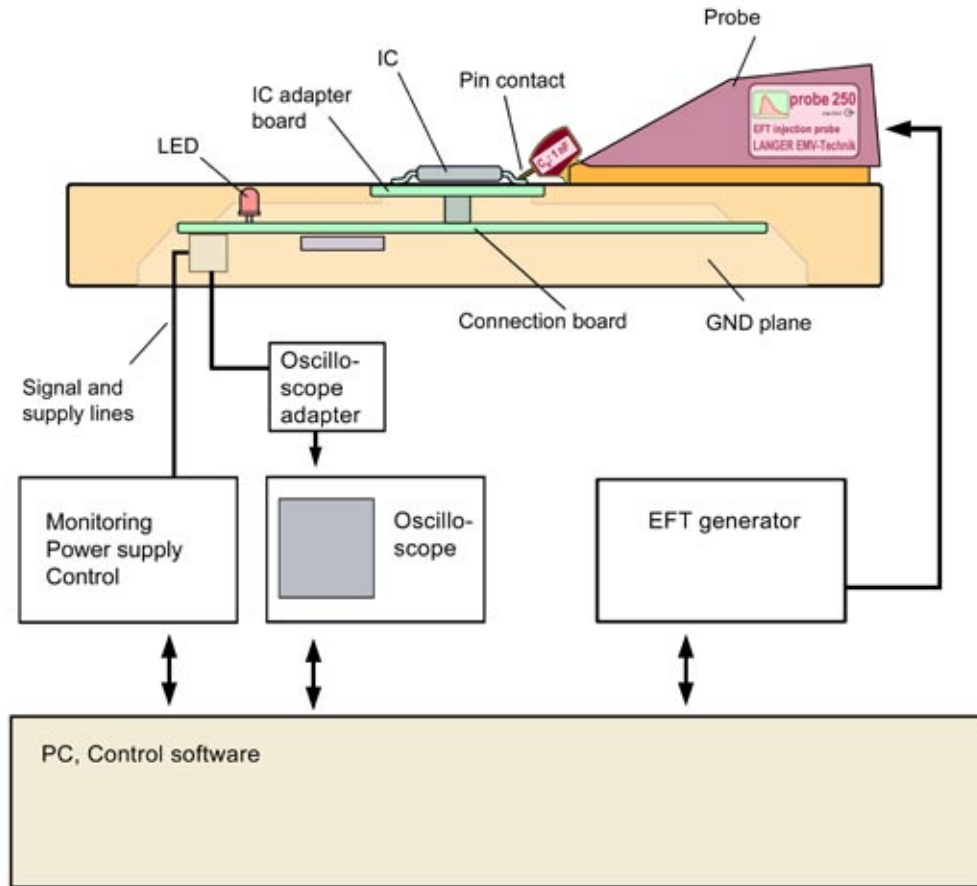


Measurements according standard:

- IEC 62215-3
- IEC 61000-4-4



Measurement set-up consisting of:

- Probe
- EFT generator
- GND plane
- Connection board CB 0708



EFT pulse coupling

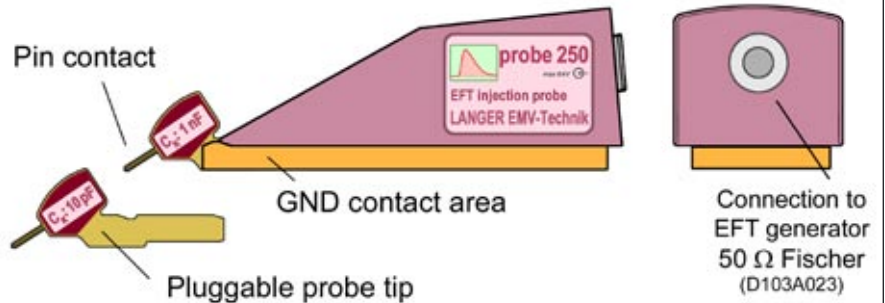
Use:

Conducted coupling of pulse into IC pins.

The probes are used to inject standard burst pulses into IC pins. They are connected directly to the HV output of a burst generator via a high-voltage cable.

Characteristics:

- highly flexible disturbance coupling into IC pins
- on the basis of IEC 62215-3
- coupling capacitance changeable via probe tip



Pulse voltage	max. ± 6 kV
Pulse shape	5 / 50 ns
Coupling capacitance C_K^*	1 nF / 10 pF / 2.2 pF
Line impedance	50 Ω
Connection EFT generator	50 Ω Fischer plug socket (D103A023)

The P250 probe is operated in connection with a standard EFT generator (according IEC 61000-4-4). The disturbance pulse isn't generated by the probe.

* coupling network (C_K and R) is also custom-built

Pulse shape (IEC 61000-4-4)	Equivalent circuit
<p>Normalized voltage vs time (t) graph. The pulse rises to a peak of 1.0 within 5 ns ± 30% and then decays to 0.1 within 50 ns ± 30%.</p>	<p>Equivalent circuit diagram: EFT generator (output impedance $Z_c = 50 \Omega$) is connected to the P250 probe. The probe's coupling network consists of a capacitor C_c and a resistor R. The other end of the coupling network is connected to the IC pin and GND.</p>