

Probe 301
Probe 311

Burst voltage generator
Line-conducted pulse voltage injection



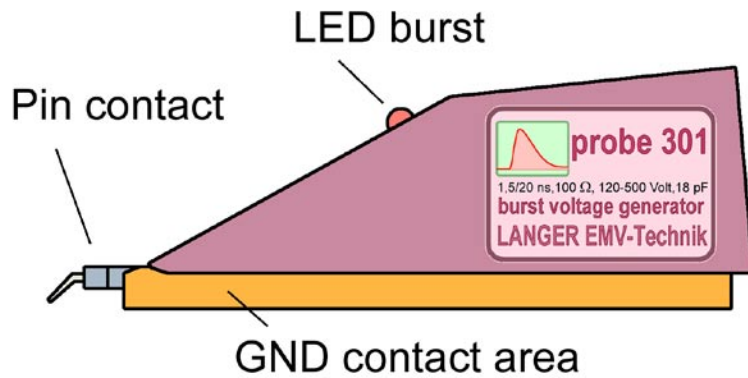
Application:

Line-conducted pulse voltage injection in IC pins.
The dimensioning of the probes depend on the pulse injection mechanisms via the electric field in electronic modules.

typical for:
signal pins, oscillator

Properties:

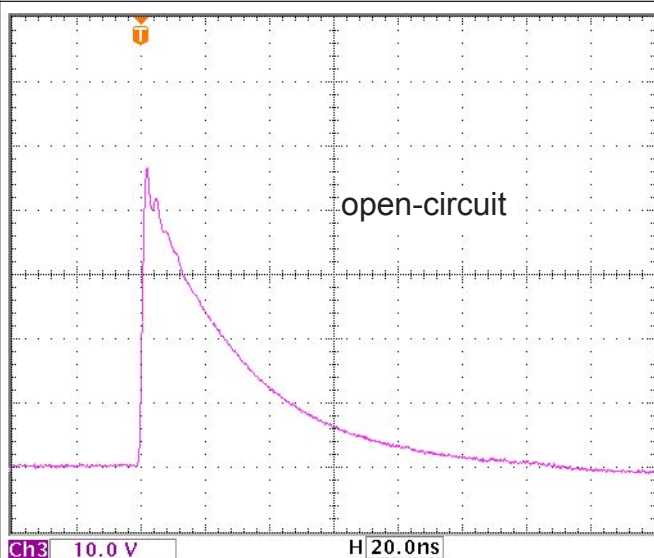
- high internal resistance
- high voltage drive



	Probe 301	Probe 311
Pulse voltage	$\pm 140 - 500 \text{ V}$	$\pm 5 - 140 \text{ V}$
Pulse frequency	$0.1 \text{ Hz} - 15 \text{ kHz}$	$0.1 \text{ Hz} - 20 \text{ kHz}$
Pulse shape	$1.5 / 20 \text{ ns}$	
Coupling capacitance	18 pF	
Internal resistance	approx. 100Ω	
Internal inductance	approx. 50 nH	

The probes 301 and 311 are only operated with the BPS 201 control station.

Pulse shape



Equivalent circuit

