

ICI E450 L-EFT set

Pulse E-Field Source set



Short description

The ICI E450 L-EFT set includes an E-field source which emits E-field pulses. This allows very accurate and high resolution IC analysis (fault injection) to be performed, such as for testing safety-critical circuits. Special features are the high-resolution peaks (for testing extremely small areas) and a very low trigger-to-pulse jitter (to specifically disturb the program flow).

Scope of delivery

- 1x ICI E450 L-EFT, Pulse E-Field Source
- 1x BPS 202, Burst Power Station
- 1x BPS 202-Client, BPS 202-Client Software / USB
- 1x NT Ex EU, Power Supply Unit
- 1x ICI 01 L-EFT acc, Accessories
- 1x ICI case, System Case
- 1x ICI m, ICI Set User Manual

Technical parameters

Pulse parameter	
Rise time	< 2 ns
Repetition frequency	0.1 Hz - 20 kHz
Polarity (set by software)	+ / - / alternating
Trigger-pulse delay (Bypass Mode - Delay Line)	
min. Trigger-pulse delay (typ.)	100 ns (probe-specific)
max. Trigger-pulse delay (typ.)	450 ns
max. Jitter (typ.)	± 1 ns
Supply voltage	BPS 202
Software	BPS 202-Client / DLL (32 Bit / 64 Bit) Win XP SP3 or higher

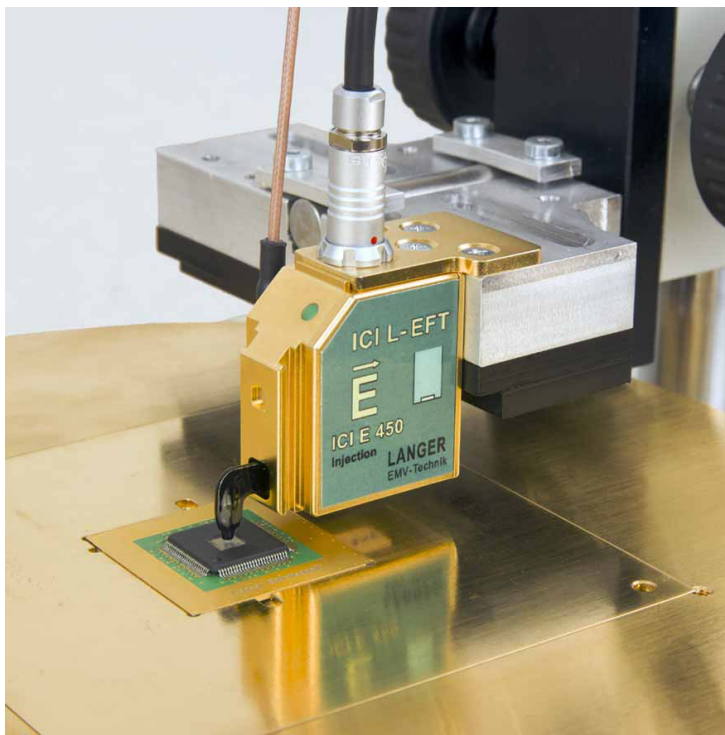
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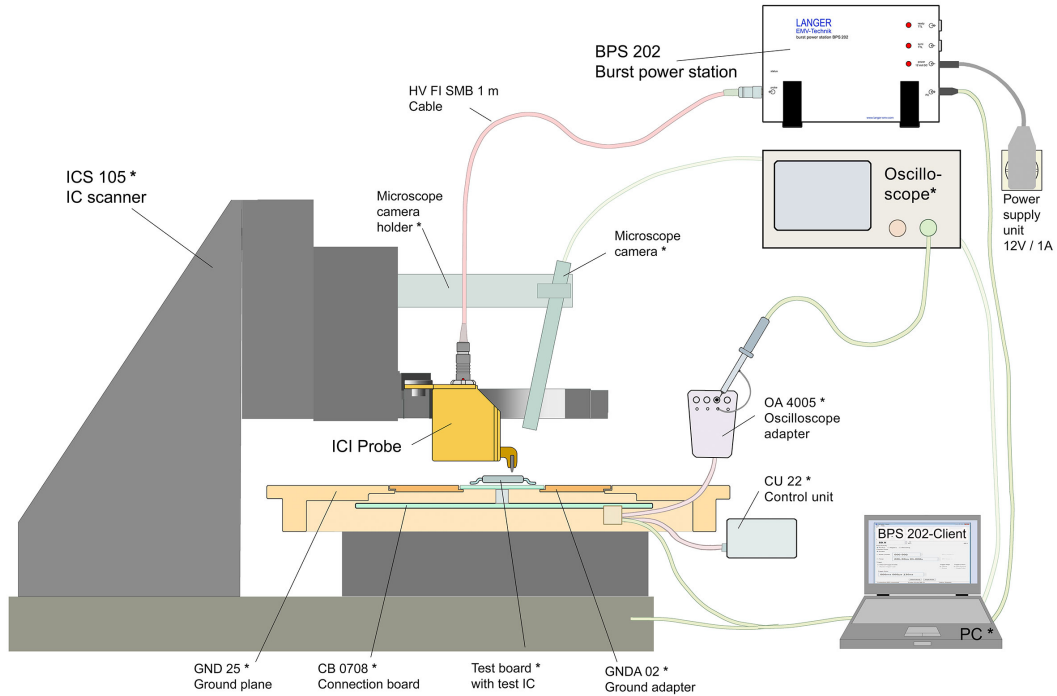
Contents of the case ICI E450 L-EFT-set



Application of ICI E450 L-EFT pulse E-field source



Schematic set-up with mover



Schema of measurement set-up

