

# ICI-DP HH500-15 set

## Double Pulse Magnetic Field Source set



### Short description

The set ICI-DP HH500-15 set is designed to inject electromagnetic pulses with high temporal and spatial resolution into safety critical circuits (electromagnetic fault injection - EMFI). This set can be used to generate single pulses as well as a double pulse sequence with a pulse following time of minimum 25 ns. The set includes the high voltage source BPS 204 as well as the probe ICI-DP HH500-15.

Via the sync inputs of the probe or the BPS, the pulses can be synchronized to an external function sequence.

Parameters such as pulse voltage and polarity can be set via software.

### Scope of delivery

1x [ICI-DP HH500-15, Double Pulse Magnetic Field Source](#)

1x [BPS 204-Client, BPS 204-Client Software](#)

1x SK FI-FI 7P 1 m, Control Cable, Fischer-Fischer

1x NT FRI EU 24V, Power Supply Unit

1x ICI-DP case, System case

1x BPS 204 m, BPS 204 User Manual

1x [BPS 204, Burst Power Station](#)

1x HV FI-FI mini 1 m, High-Voltage Cable, Fischer-Fischer

4x SMA-SSMB 1 m, SMA-SSMB Measuring Cable

1x USB-AB, USB Cable Type A-B

1x ICI-DP m, ICI-DP set User Manual

### Technical parameters

|                                 |               |
|---------------------------------|---------------|
| <b>Probe head dimensions:</b>   | Ø 500 µm      |
| <b>Pulse parameter</b>          |               |
| Rise time                       | 2 ns          |
| Min. double pulse sequence time | 25 ns (200 V) |
| Polarity (set by software)      | +/-           |
| Voltage                         | 50 - 1000 V   |
| max. Jitter (typ.)              | ± 1 ns        |
| <b>Min. trigger pulse delay</b> | 35 ns         |

# ICI-DP HH500-15 set

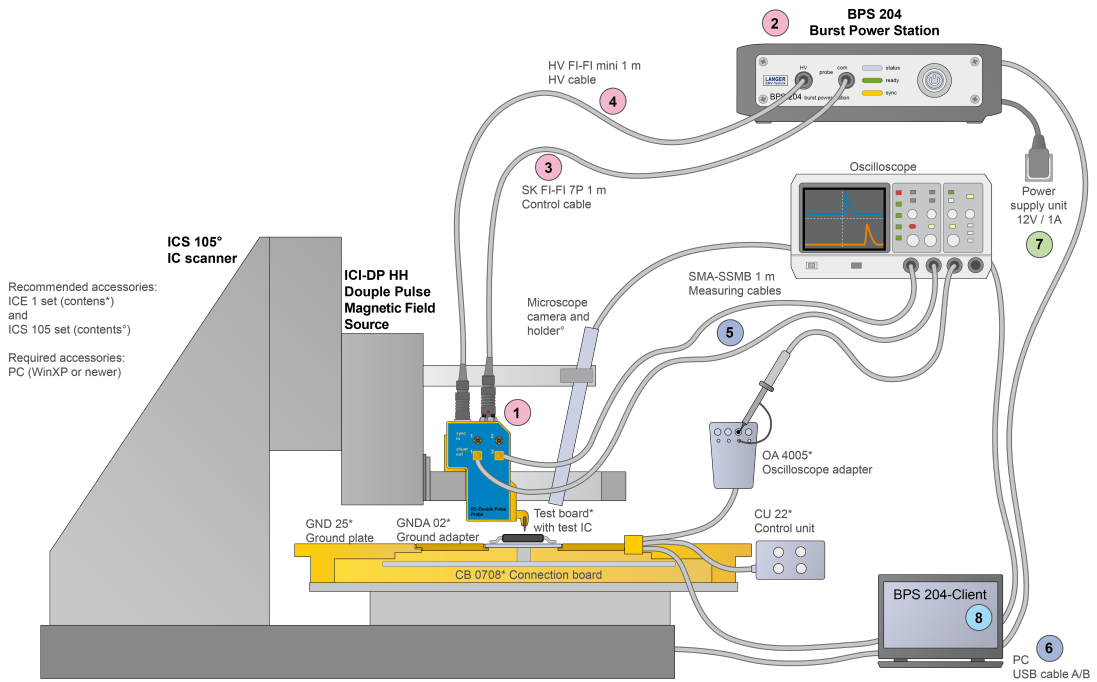
## Double Pulse Magnetic Field Source set



### Contents of the case ICI-DP HH500-15 set



### Schematic set-up with mover

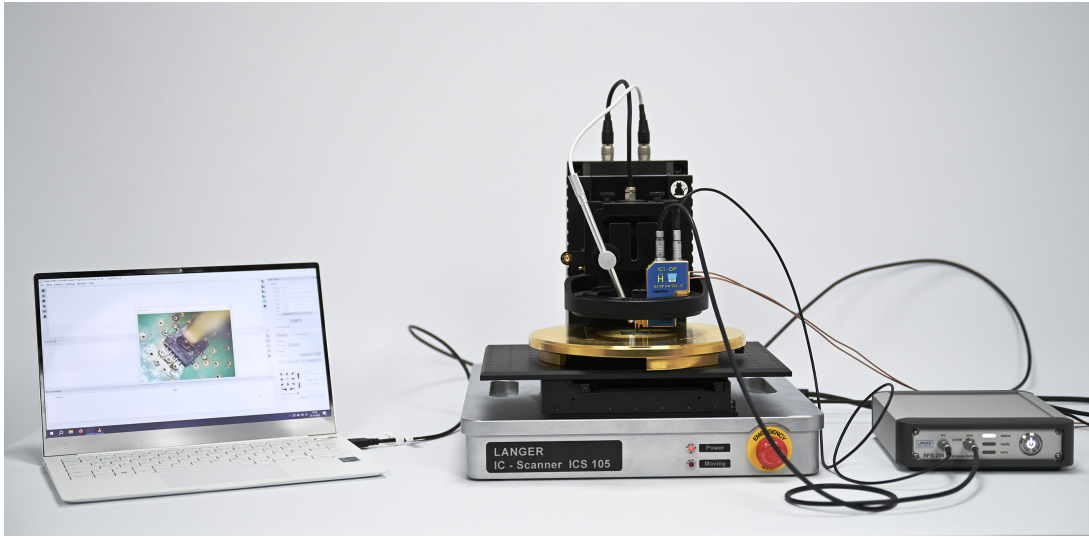


# ICI-DP HH500-15 set

Double Pulse Magnetic Field Source set



## Fault injection measuring station with Langer IC scanner



## Scope of delivery

