

MPS

Mess- & Prüfsysteme GmbH



Partial discharge test systems 5-15kV **TPP**

PARTIAL DISCHARGE TEST SYSTEMS 5-15kV TPP



For dielectric and partial discharge test between 5 - 15 kV AC, according to standards IEC 60 270, IEC 60 060, IEC 60 664 and EN 50178 of optocouplers, power semiconductors, relays, motors, transformers, inductances, capacitors, resistances, back sheet foil of PV- modules, etc.

Completely mounted into a 19"- cabinet and ready for connection to power supply.

With an additional PC and the software MSPS the test set can be used for automatic PD- tests of series products.

3 different 19"-cabinet with screened test room are available with fixed mounted HV- components

To test system includes:

- partial discharge free, cast resin insulated test transformer
- partial discharge free coupling capacitor
- ohmic voltage measuring divider
- grounding switch, close automatically in case of interruption or break down
- control unit STE with safety devices acc. to IEC 60 060
- partial discharge meter TMG with narrow and wide band filters and
- integrated peak voltage measurement
- partial discharge calibrator TPK



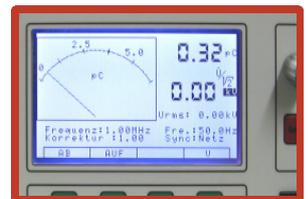
Technical data:

mains supply	230 V, 4A, 50 / 60 Hz
possible output voltages adjustable from 0-100%	5 , 10 , 15 kV
output power	500VA
coupling capacitance	2 nF
PD-measurement	
narrow band filter (15kHz band width)	adjustable 0,1-2,5 MHz in 10kHz steps
wide band filter 4 band	40 - 250 kHz, 40- 400 kHz
	80 - 250 kHz, 80 - 400 kHz
PD measuring ranges (autorange)	2,5.....25000pC
calibrator ranges	2,5 - 5 - 10 - 25 - 50 pC



Options:

- high voltage selection switch for automatic contact of different terminals
- automatic, high voltage proof calibrator
- test adapters, e.g. for back sheet foils of PV- modules acc. to IEC 61 730-2
- control, measuring and data processing software MSPS
- PD analysing module for MSPS
- graphical PD- and voltage curve module for MSPS



MPS Mess - & Prüfsysteme
 Industriestraße 17
 D - 97483 Eltmann, Germany
 Fon: 0049 / 95 22 95 09 30
 Fax : 0049 / 95 22 95 09 31
 E-Mail: info@mps-systeme.de
 Internet: www.mps-systeme.de

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