High Voltage Tester HVT 1000

The High Voltage Tester HVT 1000 can be used for withstand voltage tests and insulation resistance tests according to ISO 16750-2 (see table below).

The relating standards:
ISO 16750-2
ISO 21848.5

TECHNICAL DATA

Applications:	Withstand voltage test according to ISO 16750-2 (4.11) or ISO/CD 21848.5 (4.10) Insulation resistance test according to ISO 16750-2 (4.12) or ISO/CD 21848.5 (4.10)
Nominal voltage:	U_{AC}: 100 ... 1000V_{AC} / I_{nom}: 0.5mA_{AC} / I_{max}: 5mA_{AC} U_{DC}: 100 ... 1000V_{DC} / I_{nom}: 0.5mA_{DC} / I_{max}: 5mA_{DC}
Amplitude resolution:	100mV
Load regulation:	0 ... 0.5mA: < 3% / 0.5 … 5mA: < 25%
Frequency range:	50Hz ... 60Hz
Protection circuits:	Overload and Short circuit
Input voltage: (for max. output voltage)	$5V_p$
Input impedance:	approx. 10kΩ
Overcurrent detection:	
Detection level:	0.1mA … 5mA
Operating mode:	AC or DC
Action:	Switch off / visual display / acoustic warning
Low resistance detection:	
Detection level:	1MΩ ... 100MΩ
Operating mode:	DC
Action:	Switch off / visual display / acoustic warning
Interface:	IEEE488
Power supply:	230V (+6% -10%) 50Hz ... 60Hz (fuse at 2A)
Ambient temperature:	0°C … +40°C
Housing:	Sub-drawer system in 19”-plug-in-unit (3U)
Dimensions:	approx. H=135mm; W=483mm; D=450mm
Weight:	approx. 12kg

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