TeraOhm 5kV

High Voltage Diagnostic Insulation Tester

Guard terminal to eliminate surface leakage current. Digital and bar graph display shows results with date

User-friendly PC software with RS 232 isolated

and time.

Built-in batery charger.

communication port.



Measuring of Insulation resistance on Electric Motor Engine

Key Features



Large custom LCD dot matrix display with bar graph and with back light.

Simultaneous display of measurement parameters.
Built-in timer and real time clock.



Guard terminal to eliminate effects of surface leakage current. Three safety banana sockets galvanic separated. RS 232 port for communication to PC.



Built-in battery charger for NiCd or NiMH enable measurement during the charging.



Simple and fast setting of measurement

Windows PC Software Tera Link



- The memories of TeraOhm 5 kV can store 1000 measurement results.
- Transfer of measurement values to a PC.
- Print-out of tabular display used as a measuring report.



Diagnostic test of motor windings

Technical Specifications Digital resistance range $0.01 \text{ M}\Omega \div 5 \text{ T}\Omega \pm (5 \% \text{ of reading } + 3 \text{ dig.})$ Test voltage ranges (DC) 250 V ÷ 5000 V in steps by 50 V \pm (3 % of reading + 3 V) Bar Graph Trend $0 \div 5 T\Omega$ Withstanding test voltage 0 ÷ 5500 V ± (3 % of reading + 40 V) Leakage current range $0 \div 1.4 \text{ mA}$ \pm (3 % of reading + 3 dig.) Voltage AC/DC range 0 ÷ 600 V ± (3 % of reading + 3 V) Input resistance $3 M\Omega$ Capacitance range $0 \div 50 \mu F$ \pm (5 % of reading + 2 dig.) Polarization index (PI) range $0 \div 99.9$ ± (5 % of reading + 2 dig.) Dielectric discharge test (DD) $0 \div 99.9$ ± (5 % of reading + 2 dig.)

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General Characteristics	
Power supply	7.2 V d.c. (6 x 1.2 V) NiCd or NiMH or 9 V d.c. (6 x 1.5 V) alkaline
Display	LCD dot matrix with backlight
Protection classification	double insulation
Overvoltage category	CAT III 600 V
Pollution degree	2
Degree of protection	IP 54
Working temperature range	-10 ÷ +50 °C
Storage temperature range	-20 ÷ +70 °C
Communication	Serial port RS 232, optically isolated
Memory	1000 measurement result
Dimensions (w x h x d)	265 x 110 x 185 mm
Mass (with batteries)	2.3 kg



- Instrument TeraOhm 5 kV
- Test lead, 2 m, red
- Test lead, 2 m, black
- Test lead, 2 m, green (with alligator clip)
- Test tip, black
- Test tip, red

- Alligator clips, black, 2 pcs
- Mains cable
- Soft carrying bag
- Instruction manual
- Declaration of conformity
- Production verification data
- Waranty declaration

Optional Accessories

Order No.:



A 1046 6 x 1.2 V NiCd

batteries

A 1056 Windows Software
"Tera Link" with RS
232 interface cable

\$ 2003 High Voltage Cable Set:

- h.v. alligator, 2 pcs
- h.v. measuring lead, 2 pcs