



MT-1000 MULTITEST 1000 Megohmmeter/Ground Resistance Tester



- **MULTITESTING DEVICE: POWER QUALITY, MEGOHMMETER & GROUND RESISTANCE TESTER**
- **MEGOHMMETER FUNCTIONS:**
 - Tests insulation of wires, cables, transformers and electrical motors
 - Selectable test voltages up to 1000V
 - Programmable timer to perform the Dielectric Absorption Ratio Test
 - Sensitive Ohmmeter for checking resistance of motor windings
 - Selectable polarization of ohmmeter for checking grounding continuity
 - Automatic voltmeter protects against misuse on hazardous energized systems
- **GROUND RESISTANCE AND RESISTIVITY FUNCTIONS:**
 - Measures Earth ground resistance - 3 point (fall of potential) or 2 point tests
 - Automatically calculates resistivity - 4 point test
 - Automatic voltage measurement prevents false measurements
 - Automatically applies three testing frequencies for the most accurate readings
- Test leads, auxiliary electrodes, PC software are included for a complete instrument
- Auto ranging
- 2MB of internal memory to store measurements
- RS-232 download to a personal compute
- Safety: CATIII 600V phase to phase, CAT III 300V Phase to ground



FEATURES	RANGE & RESOLUTION*	ACCURACY
Megohmmeter		
Insulation resistance with 50 VDC test voltage	0.01 - 19.99, 49.9 49.9 - 99.9MΩ	± (2% Rdg + 2 LSD) ± (5% Rdg + 2 LSD)
Insulation resistance with 100 VDC test voltage	0.01-19.99, 99.9 99.9 - 199.9MΩ	± (2% Rdg + 2 LSD) ± (5% Rdg + 2 LSD)
Insulation resistance with 250 VDC test voltage	0.01-19.99, 199.9, 249 249 - 499 MΩ	± (2% Rdg + 2 LSD) ± (5% Rdg + 2 LSD)
Insulation resistance with 500 VDC test voltage	0.01-19.99, 199.9, 499 499 - 999 MΩ	± (2% Rdg + 2 LSD) ± (5% Rdg + 2 LSD)
Insulation resistance with 1000 VDC test voltage	0.01-19.99, 199.9, 999 999 - 1999 MΩ	± (2% Rdg + 2 LSD) ± (5% Rdg + 2 LSD)
Low Resistance (without timer)	0.01-19.99, 99.9Ω	± (2% Rdg + 2 LSD)
Low Resistance (with timer)	0.01-9.99Ω	± (2% Rdg + 2 LSD)
Ground Resistance		
Ground Resistance	0-19.99, 199.9, 1999 Ω	± (5% Rdg + 3 LSD)
Ground resistivity	0.6- 125.6 Ωm 0.125-1.256, 19.99, 199.9 kΩm	± (5% Rdg + 3 LSD)

OPTIONAL ACCESSORIES	PART NUMBER
USB to RS-232 Adapter	RS-USB

REPLACEMENT PARTS <i>(supplied with product)</i>	PART NUMBER
Instrument carrying case	CC-MT1
Carrying case containing: 4 earth rods and 4 test leads banana – alligator clip)	GP-2CON
Special download cable	C2001
Test leads set (4 test leads, 4 alligator clips, 2 test probes)	MTL-MT1
PC Software - Toplink	www.AMPROBE.com
Instruction Manual	www.AMPROBE.com