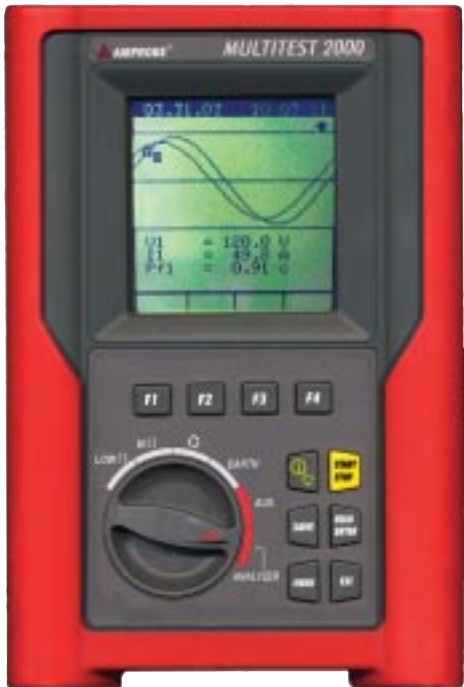




MT-2000 MULTITEST 2000 - Power Quality / Megohmmeter / Ground Resistance Tester



A single phase power quality meter w/ ground resistance and megohmmeter capability for one low price!

• MULTITESTING DEVICE: POWER QUALITY, MEGOHMMETER & GROUND RESISTANCE TESTER

Single phase Power Quality functions:

- True RMS
- Detects and records voltage transients, sag and surges with sampling rate of 130 μ s
- Built in scope displays waveforms
- Records up to 64 parameters simultaneously
- Manual and programmable recording start
- Password protection
- Selectable fundamental frequency of 50 or 60 Hz
- Special data compression system and user selectable rates allow recording from several hours to several years
- Outlet or battery powered

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 & 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 and CT are included for a complete instrument
- Auto ranging
- 2MB of internal memory to store measurements
- RS-232 download to a personal computer
- Safety: CATIII 600V phase to phase, CAT III 300V Phase to ground



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FEATURES	RANGE & RESOLUTION*	ACCURACY
Power Quality		
AC Voltage including Sags and Surges	0 - 600V	+/- (3% Rdg + 2 LSD)
AC Current	5 - 1000A (expandable to 3000A with optional CT's)	Instrument Input: +/- (0.5% Rdg + 2 LSD)
Power	Working (W), Reactive (VAR) and Apparent (VA)	+/- (1% Rdg + 2 LSD)
Energy	Working (kWh), Reactive (VARh) and Apparent (VAh)	+/- (1% Rdg + 2 LSD)
Peak Demand	kW	+/- (1% Rdg + 2 LSD)
Frequency measurement	47.0 to 63.6 Hz	+/- (1% Rdg + 1 LSD)
True and Displacement Power Factor	0.0 – 1.00	
Harmonics	Up to 49th	
Phase sequence	1 - 2 - 3	
Co-generation	Computes incoming and outgoing energy	
Selectable Fundamental Frequencies	50/60 Hz	
Available Recording Time	Several hours to several years depending on setup	
Megohmmeter		
Insulation resistance with 50 VDC test voltage	0.01 - 19.99, 49.9	+/- (2% Rdg + 2 LSD)
	49.9 - 99.9MΩ	+/- (5% Rdg + 2 LSD)
Insulation resistance with 100 VDC test voltage	0.01 - 19.99, 99.9	+/- (2% Rdg + 2 LSD)
	99.9 - 199.9MΩ	+/- (5% Rdg + 2 LSD)
Insulation resistance with 250 VDC test voltage	0.01 - 19.99, 199.9, 249	+/- (2% Rdg + 2 LSD)
	249 - 499 MΩ	+/- (5% Rdg + 2 LSD)
Insulation resistance with 500 VDC test voltage	0.01 - 19.99, 199.9, 499	+/- (2% Rdg + 2 LSD)
	499 - 999 MΩ	+/- (5% Rdg + 2 LSD)
Insulation resistance with 1000 VDC test voltage	0.01 - 19.99, 199.9, 999	+/- (2% Rdg + 2 LSD)
	999 - 1999 MΩ	+/- (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
3000A AC Flexible Clamp-on Attachment	ACF-3000SR
USB to RS-232 Adapter	RS-USB

REPLACEMENT PARTS (supplied with product)	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
Clamp 1000A/1V	DM-CT-HTA
External power supply 12VDC	DMT-EXTPS
PC Software - Toplink	www.AMPROBE.com
Instruction Manual	www.AMPROBE.com

*We use a special notation to indicate range AND resolution using a single number. For example: number 40.00 indicates range of 40 and resolution 0.01 (two digits after the point with the 1 as an increment, unless otherwise specified).
**For other ranges see website (<http://www.AMPROBE.com>)