

# MS5215 5KV HIGH VOLTAGE INSULATION TESTER

- Test of insulation resistance up to  $5T \Omega$  at 250V~5kV (adjustable in 25V / 100V steps) for high voltage equipments like transformer, cable, electric motor, etc.
- Supports insulation analysis by Polarization Index (PI), Dielectric Absorption Ratio (DAR), step voltage measures, temperature compensation, current leakage, log test (up to 8 hours), average value, etc.
- **Step voltage test:** to check the insulation resistance changes according to testing voltages
- **Temperature compensation:** automatically calculate the insulation resistance under various temperatures
- **Log test, PI & DAR:** to see the leak current decreases after applying a certain voltage
- **Memories** for 100 measures manually and 10 auto-saved records (each 360 measures in maximum) in log test with date & time stamp
- **GUARD terminal** for elimination of surface currents
- AC /DC voltage and temperature measurement
- Automatic discharge after completed measurement
- Built-in calendar, clock and timer. Adjustable measuring time from 30 seconds to 30 minutes
- Large and clear LCD with multiple data and bar graph display and back lighting, auto-power off
- Alarming: high voltage, wrong input, etc.
- **USB 2.0** interface, graphic Windows software and **automatic insulation test report**
- Robust case, rechargeable NiMH batteries & backup batteries for long time working at the spot
- Safety as per IEC1010-1 Cat III 1000V & Cat IV 600V

## Technical specifications

Test voltage & current: DC 250V~5kV; 1mA max.  
Short-circuit current: 5mA  
Insulation range:  $0.01M \Omega \sim 5T \Omega$ ,  $\pm 5\%$   
ACV: 50V ~ 1000V (50/60Hz),  $\pm 5\%$   
DCV: 50V~ 1000V,  $\pm 5\%$   
Leakage:  $10n/100n/1\mu/10\mu/100\mu/1m/3mA$ ,  $\pm 2.5\%$   
Temperature:  $-10^{\circ}C \sim 70^{\circ}C$ ,  $\pm 1.0^{\circ}C$   
PI:  $\Omega$  after 10min /  $\Omega$  after 1min  
DAR (15s or 30s):  $\Omega$  at 1min /  $\Omega$  at 15 sec or 30 sec  
Batteries: 1.5Vx10, LR14  
Dimensions & weight: 285x230x125 mm, 2.1kgs  
Accessories: temperature probe, AC adaptor (optional), interface wire & software, carrying bag



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