

# 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.IV 600 V & CAT.III 1000V

## Technical specifications

Test voltage & current: DC 250V~5kV; 1mA max.  
Short-circuit current: 3mA  
Insulation range: 0 ~ 5T  $\Omega$ ,  $\pm 5\%$  ~  $\pm 30\%$   
ACV /DCV: 50V ~ 750Vac (50/60Hz) /1000Vdc,  $\pm 5\%$   
Leakage: 1nA ~ 1.2mA,  $\pm 15\%$  ~  $\pm 2.5\%$   
Temperature:  $-10^{\circ}\text{C}$  ~  $70^{\circ}\text{C}$ ,  $\pm 1.0^{\circ}\text{C}$  ~  $\pm 1.5^{\circ}\text{C}$   
PI:  $\Omega$  after 10min /  $\Omega$  after 1min  
DAR (15s or 30s):  $\Omega$  at 1min /  $\Omega$  at 15 sec or 30 sec  
Power consumption: 15VA (by adaptor) / 6VA (by batteries)  
Batteries: 1.5Vx6, LR14; rechargeable NiMH 7.2V  
Battery life: 5 hours ~ 9 hours continuously  
Dimensions & weight: 260(w)x251(h)x120(d) mm, 2.8kgs  
Accessories: temp probe, AC adaptor/charger, interface wire & software, carrying bag



REF: 035215X0000

CE (EMC),  UL,  CE (LVD)

**Sinometer**