

LIVE LINE CLAMP INSULATION RESISTANCE TESTER

Model MLIT-1

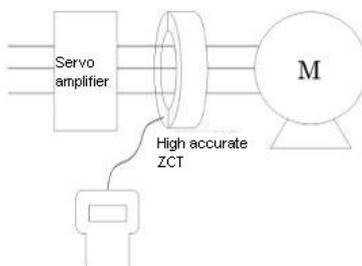
The World First Live Line Clamp Insulation Resistance Tester

FEATURES

- Easy and convenient live line insulation measurements for servomotor, equipments and power line.
- $10\text{M}\Omega \sim 20\text{M}\Omega$ insulation resistance measurements with super accurate ZCT.
- The least influence from external magnetic field and noise.
- Phase voltage and leakage is also measurable.
- 99 sets of memory storage function for measured data.



Measuring example



For insulation resistance measurements of industrial robots



PRIMARY SPECIFICATIONS

1. VOLTAGE INPUT SECTION

Voltage Input	: Phase voltage (AC 50~500V) Single phase detection
Phase Detection Method	: (Single phase detection is also used for three phase circuit)
Input Impedance	: More than 1M Ω
Input Frequency	: 50Hz or 60Hz switchable
Resolution	: 0.1V
Input Method	: Direct input by test lead

2. CURRENT DETECTION SECTION

Detection Method	: Split core type ZCT
CT Inside Size	: Φ 30mm
CT Opening/Closing	: Manual slide method
Withstanding Voltage	: AC 2000V, 1 minute

3. MEASUREMENT SECTION

Measuring Function	: AC Leakage current/line current, AC voltage, Insulation resistance
<u>Measuring range</u>	
AC Leakage/Line Current	: 0~AC 200.0 μ A/2mA/20mA/200mA (Auto-ranging)
AC Voltage	: 0~500.0V (1 range)
<u>Resolution</u>	
AC Leakage/Line Current	: 0.1 μ A
AC Voltage	: 0.1V
Insulation Resistance	: Computation by current and voltage
Input Frequency	: 45Hz~65Hz (50Hz/60Hz switchable)
A/D Conversion	: Dual slope integration method
AC Conversion	: Average sensing, true rms reading method
Display	: LCD, max. 1999 count with annunciator
Over Range Indication	: "OL" mark on LCD
Data Hold Indication	: "DH" mark on LCD
Low Battery Indication	: "B" mark on LCD
Sampling Rate	: 2 times/sec (Without internal calibration)
Memory Storage	: Measuring Data 99 sets
Operating Temperature	: 0~40°C, < 85%RH (without condensation)
Storage Temperature	: -10~60°C, < 70%RH (without condensation)
Withstanding Voltage	: AC 2000V/1 minute (between CT and handle)
Limitation of Circuit Voltage	: Less than AC 500V for insulated cable
Auto Power Off	: Approx. 10 minutes after last key operation
Power Supply	: LR6, AM-3 or AA size Alkaline battery x 4