

Wireless High Voltage Clamp Ammeter, ES1001



ES1001 high/low voltage current meter lock clamp is a high voltage measuring device consisting of a special current meter clamp and an insulating rod. The current measuring clamp is attached to an insulating rod for current measurement on insulated cables with a maximum of 60kV or on bare cables of maximum 35kV. Without the insulating rod, the clamp can also be used as a high-precision low-voltage current meter clamp or leakage current meter, capable of measuring (leakage) currents down to 0.1mA.

The ES1001 clamp while offering high-precision, highly reliable and stable measurement, is easy to use and easy to carry. The instrument can wirelessly transmit the measured data to a wireless

receiver, which can receive the measured data in a straight line within 30 meters, thus ensuring high accuracy, high reliability and high stability. The characteristics of insulating rod are light weight, moisture, high temperature, impact, bending resistance and high insulation resistance.

In addition to the basic current measurement function, ES1001 clamp also offers peak hold, data hold, data storage, etc. functions. The special design ensures easy pinching/pulling on/from the cable to be measured, just by pressing/pulling the insulating rod, thus saving time and speed. ES1001 clamp can be widely used in electrical industry, contact protection measurements, etc.

Specifications

- Voltage of cable to be measured: <60kV for insulated sheathed cable, <35kV for bare cable (measurement with insulation rod)
- Measuring range: 0.0mA-1200A (50/60Hz automatic range selection)
- Resolution: 0.1mA
- Jaw opening: Ø50mm
- Accuracy: $\pm 2\%$ ± 5 digit
- Sample rate: 2/sec
- Wireless transmission distance: 30m
- Powering:
 - Clamp: DC6V AA alkaline battery (1.5V AAAx4)
 - Receiver: DC7.5V AA alkaline battery (1.5V LR6x5)
- Dimensions:
 - Clamp (W*D*H): 87*37*262 mm
 - Receiver (W*D*H): 100*35*204 mm
 - LCD: 62x44mm
- Weight: 7 kg (including insulating rod and battery)
- Overload indication: "OL" symbol on the display
- Data storage: 200 data groups
- Battery charge level indication:
 - Clamp: a low battery indicator lights up if voltage <5.2V
 - Receiver: blank battery symbol displayed if voltage <5.2V
- Five part insulating rod (total of 5 meters)
- Dielectric strength: AC 60kV/rms
- Operating temperature: -10... 40°C
- Storage temperature: -10... 60°C
- Relative humidity: 0... 31°C, $\leq 75\%$ RH, 31... 40°C, $\leq 50\%$ RH
- Reference standards according to: IEC1010-1, IEC1010-2-032, pollution degree 2, CAT III (600V) IEC61326 (EMC standard)