

High/low voltage current clamp, ES1000



ES1000 high/low voltage current clamp is a high voltage measurement tool composed of a special current clamp and an insulating rod. The current clamp is fixed to an insulating rod for current measurement on lines with insulating sheaths of maximum 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 clamp or a leakage current meter capable of measuring (leakage) current as of down to 0.1mA.

ES1000 clamp offering high precision, highly reliable and stable measurement is easy to use and easy to carry.

Additionally to the basic current measuring function the high and low voltage clamp offers functions of peak hold, data hold, data storage, etc. The special design insures easy clipping on to / pulling down from the cable to be measured, only by pushing / pulling the insulating rod, so saving time and speed. ES1000 clamp can be widely used in the fields of electrical industry, safety measurements etc.

- Measuring range: 0.0mA-1200A (50/60Hz automatic)
- Resolution: 0.1mA
- Jaw opening size: Ø50mm
- Accuracy: $\pm 2\%$ ± 5 dgt
- Sample rate: 2 times/sec
- Power: DC6V AA alkaline battery (1.5V AAA×4)
- Dimensions:
 - instrument (WxDxH): 87*37*262mm
 - LCD size: 48×31mm
- Weight: 7 kg (including insulating rod and battery)
- Over-range / overflow function: "OL" symbol displayed
- Data storage: 99 groups
- Battery charge level indication: blank battery symbol displayed if battery voltage <5.2V
- Insulated rod: five section insulating rod (5 meters in total)
- Dielectric strength: AC 60kV/rms
- Voltage of cable to be measured: instrument fixed to the insulating rod: <60kV (for insulated cables) <35kV (for bare cable)
- Operating temperature: -10... 40°C
- Storage temperature: -10... 60°C
- Relative humidity: 0... 31°C ≤ 75%, 31... 40°C ≤ 50%
- Safety regulations: IEC1010-1, IEC1010-2-032, pollution degree 2, CAT III (600V) IEC61326 (EMC standard)

Packing List

- Clamp: 1 set
- Insulating rod: 1 set (5 meters in total)
- Instrument package: 1
- Battery: DC6V AA alkaline battery (1.5V AAA×4)