

# ES1001 Wireless H/L Voltage Clamp Ammeter



## I. Product Introduction

FR1001 high-low voltage ampere meter is a high-pressure measurement tool. It is composed of a special clamp ammeter with high voltage insulation rod. Inside the clamp ammeter, a mask integrated circuit is used, and an insulating rod is used to measure the current of a high voltage line with insulation sheath below 60 kV or bare wire below 35 kV . When not using the insulation rod, it can also be used as a high-precision low-voltage clamp ammeter, leakage current meter, can accurately split out the current or leakage current of 0.1mA.

It is easy to use and carry. Equipped with telescopic insulation rod, it is easy to carry and use. It wireless transmission test data, equipped with a wireless receiver, can receive measured data within 30 meters of a straight line, to ensure high-precision, high-reliability, and high-stability for years of uninterrupted testing.

High-voltage clamp current meter also has a peak hold, data retention, data storage, wireless transmission data and other functions, its special clamp ammeter by pushing or pulling back the insulation rod can easily clamp or split off the measured wire, save time and fast. It can be widely used in substations, power plants, industrial and mining enterprises and testing stations, electrical maintenance departments for current detection and field electrical work. Insulation rods are lightweight, moisture-proof, high-temperature resistant, shock-resistant, anti-bending, high insulation and retractable

## II. Technical Specification

<b>Range</b>	0.0mA~1200A (50/60Hz Auto)
<b>Resolution</b>	0.1mA
<b>Clamp Diameter</b>	Φ50mm
<b>Accuracy</b>	±2%±5dgt
<b>Sampling Speed</b>	About 2 times/second
<b>Wireless Distance</b>	30m
<b>Function</b>	High-low voltage current measurement
<b>Power Supply</b>	Hosts :DC6V Alkaline Dry Battery (1.5V AAA X 4); Receiver:DC7.5V Alkaline Dry Battery(1.5V LR6x5)
<b>Test Method</b>	Clamp CT,
<b>Meter Dimension</b>	Hosts :W/T/H: 87mm×37mm×262mm ; Receiver :W/T/H :100mm×35mm×204mm
<b>LCD Dimension</b>	Receiver LCD display: 62mm×44mm
<b>Total Weight</b>	2.9Kg (including insulation rod and battery.)

<b>Overflow Display</b>	Exceed measurement range overflow function: "OL" symbol display
<b>Data Storage</b>	200 Groups
<b>Data Storage Full</b>	the symbol "FULL" mark will flash to indicate the memory has been full.
<b>Battery Voltage</b>	Detector: when the battery voltage is below 5.2V, the symbol of low power will show to remind to replace battery. Receiver: when the battery voltage is below 5.2V, the symbol of low power will show
<b>Insulated Rod</b>	5 section insulated rod (total 5m)
<b>Insulation Intension</b>	AC 60KV/rms
<b>Circuit Test</b>	Insulation sheath wire test below 60kV line voltage, bare wire test under 35kV (with insulation rod operation)
<b>Work Temperature</b>	-10℃~40℃
<b>Storage Temperature</b>	-10℃~60℃;
<b>Humidity</b>	0℃~31℃≤75%, 31℃~40℃≤50%
<b>Suitable for Safety Regulations</b>	EC1010-1, I1010-2-032, Pollution Level 2, CATIII(600V) IEC61326 (EMC Standard)

### III、Accessories

<b>Detector</b>	1PC
<b>Wireless receiver</b>	1PC
<b>Insulation rob</b>	1SET(total 5m)
<b>Instrument bag</b>	1PC
<b>Detector battery</b>	DC6V 7# alkaline battery (1.5V AAA×4)
<b>Receiver battery</b>	DC7.5V 5# alkaline battery (1.5V AAA×5)
<b>Manual, certificate</b>	1SET



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