

# RISH Clamp 1000A Digital Clamp meter (Preliminary Data sheet)

## Application:

RISH Clamp 1000A measures important electrical parameters like AC Current, AC Voltage, DC Voltage, Ohm & Continuity.

## Product Features:

### Large Jaw

Jaw width of 55 mm for Standard wire diameter of 50 mm

### Narrow Body

Narrow housing for firm grip and easy to carry.

### High Accuracy for low current measurement

The clamp meter can measure accurately at not only the High currents but also Low current ranges.

### User selectable Backlit :

It is possible to conduct measurement using the clamp meter during night time in darkness with the help of Backlit. The back lit can be switched ON or OFF by pressing a single key.

### AUTO POWER OFF

In order to save the power of the Batteries, the clamp meter will automatically shut OFF if it detects no activity for 10 minutes.

### CONTINUOUS ON MODE

In this mode, AUTO POWER OFF is disabled.

### DATA Hold Function

By pressing DATA HOLD button, reading on the display can be latched for Hands free operation.

### MIN,MAX storage

By pressing MIN/MAX button, the clamp meter will start recording latest Minimum and Maximum readings

### NULL ZERO Correction for Resistance

For Low ohm measurement, the lead resistance can be compensated by pressing the NULL Zero button.

**Relative Function to indicate measurement variation for Current, Voltage & Resistance measurement**  
The offset in the Current, Voltage and resistance ranges can be made zero for relative measurement.



# 1000 A AC

### Low battery indication

When battery voltage falls below 6.8 V , the low battery symbol will become ON and indicates the battery needs to be replaced

### AUTO ranging

The instrument automatically selects the range with best resolution depending on the applied input.

### Diode Measurement

For testing diode and transistors ,diode measurement function is available.

### Continuity Measurement

For checking the continuity ( <100 ohm ) , continuity measurement function is available. Buzzer will be emit sound below 100 ohms.

### Enclosure Protection for dust and water:

conforms to IP 50 for the housing and IP20 for terminals as per IEC60529

### Compliance to International Safety standards

600 V CAT IV/1000V CAT III as per International Safety standard IEC 61010-1- 2001

### EMC Compatibility

The clamp meter complies to International standard IEC 61326

### Inbuilt Safety Cover for protection of the Instrument

## Electrical Specifications ( at 23 Deg C ) :

Parameter		<b>RISH Clamp 1000A</b>	<b>Over load Protection</b>
A AC	Ranges	0...999.9A	1200 A Continuous
	Accuracy	1.5% of rdg.± 2D	
		Average	
V AC	Range	1000 V AC	1050 V AC Continuous
	Accuracy	1% of rdg.±2D	
		Average	
V DC	Range	1000 V DC	1050 V DC Continuous
	Accuracy	1% of rdg.±2D	
Resistance	Range	40MΩ	1050 V DC /AC effective sine wave for 10 minutes
	Accuracy	1% of rdg. ± 3D	
Continuity	Range	0... 300 ohm	1050 V DC /AC effective sine wave for 10 minutes
Diode Test	Range	0...2.0 V	1050 V DC /AC effective sine wave for 10 minutes

### Reference conditions for Accuracy:

Reference temperature	23°C +/- 2°C
Input waveform	Sinusoidal
Input frequency	50 or 60 Hz ±2%
Battery Voltage	8 V +/- 0.1 V

### Applicable Standards:

EMC	IEC 61326
Immunity	IEC 61000-4-3. 10V/m min – Level 3 industrial low level

<b>Safety</b>	IEC 61010-1-2001
IP for water & dust	IEC60529
Pollution degree:	2
Installation category:	IV
High Voltage Test	7 kV AC, 50Hz for 1 minute between all electrical circuits

<b>Environmental</b>	
Operating temperature	-10 to +55°C
Storage temperature	-20 to +65°C
Relative humidity	0... 90% non condensing
Enclosure	IP50 for Housing and IP20 for terminals

<b>Battery</b>	
Battery Voltage	9 V DC
Battery type	Manganese Dioxide Cell as per IEC6F22 , alkaline manganese cell as per IEC 6LR 61
Battery Life	Minimum 150 hours

Warranty	3 years
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