

# RISH Clamp-on CT 1000A / 5A

## Clamp-on CT for AC current measurement



### Operating Manual

#### Application:

Rish Clamp-on CT 1000 A /5A measures current without interrupting the conducting line.

They are used for electrically isolated measurement of alternating current within a broad range ,without interrupting the current conducting cable and bus bars.

#### Features of Rish Clamp on CT

- \* Safety in accordance with IEC 61010-1.
- \* Minimum transformation ratio error.
- \* Compact, handy design.
- \* Permanently connected safety cables.

#### Safety Features & Precautions:



- Application around & removal from HAZARDOUS LIVE conductor is permitted

The Rish Clamp on current transformers are constructed with safety rules of IEC 61010-1. When in operation the safety of user and unit is assured. Also when the secondary circuit is interrupted, the Clamp has a Protection circuit which prevents high voltage to be generated. Before operating read completely the instruction manual. These instruction must be followed by users in all respects. In case of incorrect use or careless handling, the safety of both user and clamp is not assured.



#### Rish clamp on CT 1000 A / 5A

RISH Clamp-on CT 1000 A can be used as accessories for RiSH Multi series.

#### Measurement:

Rish Clamp on CT measures AC current without interrupting the conducting line. The opening contact of both the core which become visible when trigger is pressed, must be always kept clean. Even small outside particles can deviate measuring accuracy. The measuring secondary long cables with contact- protected connection plugs, which electrically isolates the measurement of AC current without interruption.

## Periodic Check-up :

The clamp on CT does not require any specific maintenance. While cleaning, the probes must not be immersed into any liquid. No special maintenance is required for housing. The surface between the opening jaws should be cleaned with dry cloth before operating. Avoid use of cleansers, abrasives or solvents.

## Specifications :

<b>Clamp on current transformer</b>	
<b>Type</b>	<b>CT 1000A / 5A</b>
Description/ Application	The current transformers are used for electrically isolated measurement of alternating current within broad range. It is possible to measure AC current without interrupting the current conducting cable and bus bars via hard wired leads with contact protected plugs.
Nominal Primary Current	10 -1000 A AC
Output signal	5mA AC / A AC
Transmission ratio Input:Output	200 : 1
Accuracy / max.error	Class 1 (1VA) ( for current range from 10 A to 1000A, 50Hz ) Max. Phase error <= 80 minutes ( for current range from 500 A to 1000A, 50Hz )
Max. operating Voltage	CAT III 600 V as per IEC-61010
Frequency range	40Hz...400Hz
Jaw opening / Conductor Diameter	43mm / Diameter 43mm
Dimensions (W X H X D)	( 92 X 39 X 220 ) mm
Weight	Approx 700 gms
Cable length	1.5 meter



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