

RISH Clamp-on CT 1000/1A/, CT 1000/5A, CT 300/0.3A Clamp-on CT for AC current measurement

Data Sheet

Clamp-on CT for AC
current measurement



Rish clamp on CT 300 A / 0.3A

RISH Clamp -on CT 300 A should be used as accessories for RISH Multi 12s which directly displays the Current in 300 A range.



Rish clamp on CT 1000/ 5A

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



Rish clamp on CT 1000 A / 1A

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

Application

Rish Clamp-on CT 300 A / 1000A 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 300 A/ CT 1000 A

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

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.

Specifications

| Clamp on current transformer | | | |
|----------------------------------|--|---|--|
| Type | CT 1000A / 1A | CT 300A / 0.3A | 1000A /5A |
| 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 | 1-1000 A AC | 4-300 A AC | 1-1000 A AC |
| Output signal | 1mA AC / A AC | 1mA AC / A AC | 5mA AC / A AC |
| Used with | Rish multi series | Rish multi 12s | Rish multi series |
| Transmission ratio Input:Output | 1000:1 | 1000:1 | 200:1 |
| Accuracy / max.error | Class 1 (2.5 VA) (for current range from 1A to 1000A, 50Hz) | Class 1 (1.25 VA) (for current range from 4A to 300A, 50Hz) | Class 1 (2.5 VA) (for current range from 1A to 1000A, 50Hz) |
| Max. operating Voltage | CAT III 600 V as per IEC-61010 | CAT III 600 V as per IEC-61010 | CAT III 600 V as per IEC-61010 |
| Frequency range | 40Hz....1kHz | 40Hz....1kHz | 40Hz....1kHz |
| Jaw opening / Conductor Diameter | 43mm / Diameter 43mm | 35mm / Diameter 35mm | 43mm / Diameter 43mm |
| Dimensions (W X H X D) | (92 X 39 X 220) mm | (84 X 39 X 202)mm | (92 X 39 X 220) mm |
| Weight | Approx 650 gms | Approx 500 gms | Approx 650 gms |
| Cable length | 1.5 meter | 1.5 meter | 1.5 meter |

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.

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.



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