Clamp on Current Transformers

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The YUANXING CTC series of clamp-on current transformers are designed for fast and easy installation. The clamp-on core design permits non-contact current measurements through magnetic field induction without requiring that the primary wire be taken offline and dis-connected for CT installation. This method permits a safer, easy and portable current measurement.

FEATURES

- Low cost • 4 standard sizes
- Clamp-on core design;safer,easier installation,portable
- Both Silicon Steel & Nickel Alloy cores available

SPECIFICATIONS

- Case material:Polypropylene resin
- Voltage Range:600ac（isolated condation)，30Vac(bareness condition)
- Operating Temperature: -25°C to +60º C
- Dielectric Resistance: 1000MOhms @500 Vdc
- Isolation Voltage: 2500 Vrms for 1 minute
- Frequency: 50 - 400 Hz • RoHS compliant • CE-approved

PART NUMBER

(L)CTC □□□□ □—□□□/□□□

- Rated Output Current
- Rated Input Current
- S-Accuracy class 0.5，1.0
- N-Accuracy class 0.1，0.2
- Window opening
  - 0080-Ø8.0mm
  - 0130-Ø13.0mm
  - 0200-Ø20.0mm
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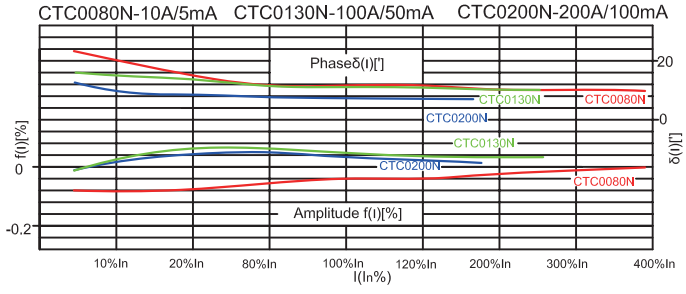
APPLICATIONS

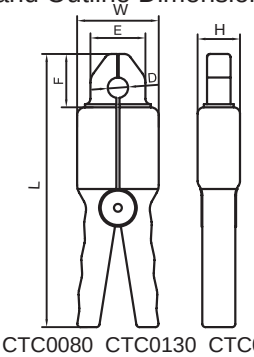
- Silicon Steel cores provide moderate accuracy and lower cost for appropriate current measurement current
- Nickel Alloy cores are suitable for applications that require the highest accuracy with minimal phase angle error. Applications would include electric power quality monitoring devices

PERFORMANCES

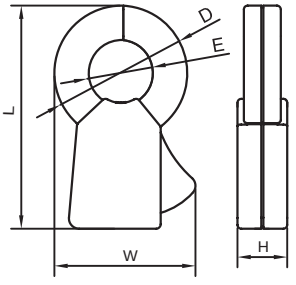
Model	Rated Input (A)	Ratio	Frequency（Hz）	Secend burden (Ohms)	Accuracy Class	Outline Dimensions (mm)
CTC0080N	1~100	1:1000 1:2000 1:2500 …	50 to 400	≤20	0.1,0.2	ID-L-W-H 8.0-171.0-46.0-27.0
CTC0130N	5~200		50 to 400	≤5	0.1,0.2	ID-L-W-H 13.0-174.0-52.0-27.0
CTC0200N	5~200		50 to 400	≤5	0.1,0.2	ID-L-W-H 20.0-180.0-52.0-27.0
LCTC0250	Input：100A Output：0.333,1.5V	--	50 to 400	≥100K	1.0	ID-L-W-H 25.0-87.0-50.0-19.5

Phase and Amplitude Errors Curve (test temperature 25º C) and Outline Dimension





CTC0080 CTC0130 CTC0200



LCTC0250

单位:mm (inch)

型号	L	W	H	D	E	F
CTC0080N	171.0(6.732)	46.0(1.811)	27.0(1.063)	8.0(0.315)	27.0(1.063)	30.0(1.181)
CTC0130N	174.0(6.850)	52.0(2.047)	27.0(1.063)	13.0(0.512)	35.0(1.378)	34.0(1.339)
CTC0200N	180.0(7.087)	52.0(2.047)	27.0(1.063)	20.0(0.787)	42.0(1.654)	40.2(1.583)
LCTC0250	87.0(3.425)	55.0(2.165)	19.5(0.768)	52.0(2.047)	25.0(0.984)	—

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