



DENT INSTRUMENTS CT-HSC-020-U 20A High Performance Mini Current Transformers Owner's Manual

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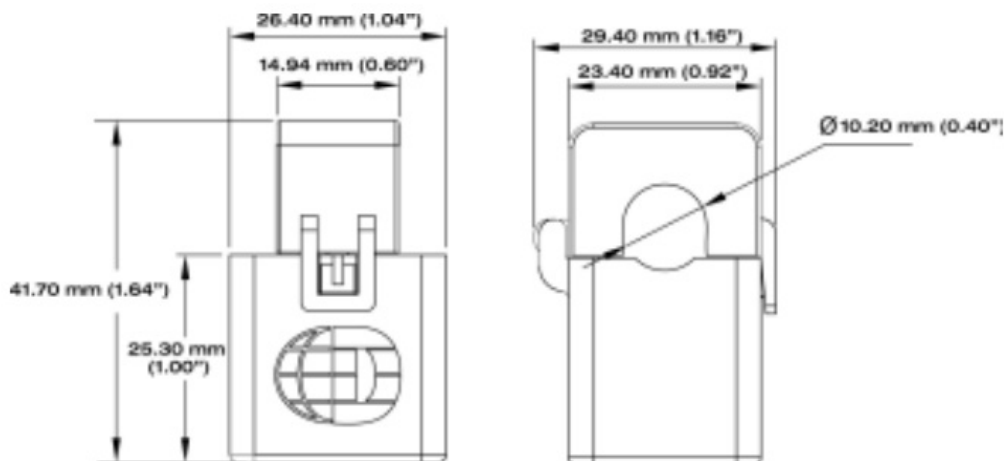
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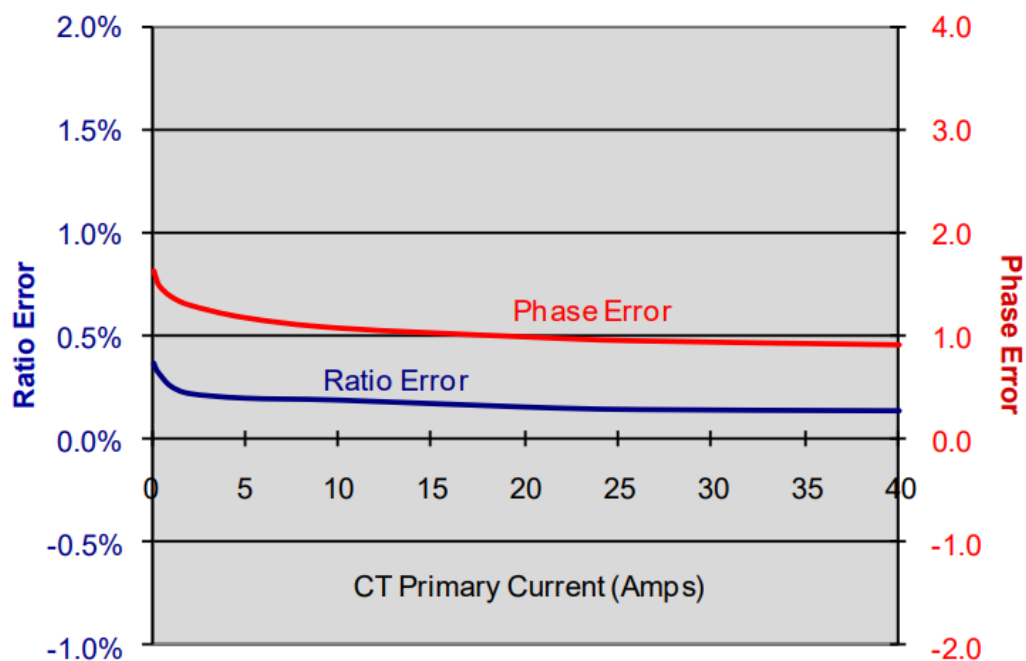
Instruction

The hinged “Mini” CTs are small, low-cost current transformers with high accuracy ($<0.5\%$) over a wide dynamic range with excellent phase shift. The “Minis” are ideal where space is limited such as when metering multiple loads within a panel board. Use for current measurement, energy metering, load surveys, demand metering, energy research, and submetering.

DIMENSIONS



GRAPH



KEY SPECIFICATIONS

Window Size	0.4" (10 mm)
Current Range*	0.25 – 40A AC
Output	333 mV @ 20A AC 16.65 mV/A AC
Ratio Error**	<0.5% from 0.25 to 40A Ac (Typical)
Phase Error	<1.5 from 1 to 40A AC <2 from 0.25 1A Ac

Depending on meter compatibility. See ELITEpro™ and PowerScout™ specifications for details.

For maximum performance, keep CT contact surfaces wiped clean and free of debris

ELECTRICAL

- **Output:** 333 mV @ 20 A
- **Wire Polarity:** White = Hi, positive (+)
- **Black:** Low, negative (-)
- **Phasing**
- Orientation
- **Arrow:** On Case Points
- **Toward:** Load
- **Frequency Range:** 50 to 400 Hz

MECHANICAL

- **Case Material:** White Nylon, UL 94 V-0
- **Leads:** 600V, 20 gage

- **Working Temperature:** -15 to 60°C (5 to 140°F)

SAFETY

- **Working Voltage:** 600 VAC, Category III
- **Dielectric Strength:** 3520 VAC for 1 minute
- **Certifications Conforms to:**
UL STD 61010-1
Certified to:
CAN/CSA STD C22.2
No. 61010-1

PART NUMBERS

	3 M Leads	7 M Leads
20A Mini Hinged CT	CT-HSC-020-U	CT-HSC-020-U-7M

CONTACT US

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Documents / Resources



[DENT INSTRUMENTS CT-HSC-020-U 20A High Performance Mini Current Transformers \[pdf\] Owner's Manual](#)
CT-HSC-020-U, CT-HSC-020-U-7M, CT-HSC-020-U 20A High Performance Mini Current Trans
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nsformers, Mini Current Transformers, Current Transformers, Transformers

References

- [Homepage - DENT Instruments](#)

