



CURRENT TRANSFORMERS

PowerScout™ Current Transformers

The PowerScout™ 3037 power meters can be equipped with a wide selection of current transformers. Choose from compact and economical Split-Core CTs or flexible Rogowski Flex CTs. Both types offer particular advantages depending on application. These CTs are interchangeable to meet various project requirements.



SPECIFICATIONS

Product >	MIDI Hinged (HMC-100, -200)	MED Split Core (SCM-0100, -200, -0400, -0600)	ROCOIL™ (R16, R24, R36, R47)
Window Size	1.0"	1.25"	4.5", 7.0", 10.8", 14.6"
Output Signal	333 mV at rated current	333 mV at rated current	131 mV/1000A @ 60 Hz, 110 mV/1000A @ 50 Hz
Useful Current Range	1-200A AC, 1-300A AC	5-130A, 4-260A, 8-520A, 12-780A	PS3037: 5-4000A; PS24:5-5000A
Nominal Rating	100A, 200A	100, 200, 400, 600A	5000A
Accuracy	Ratio Error = <0.3%, <1.0%	<1% at rated current	<0.6%** C57.13-2008 Class 1.2
Phase Shift	<0.5° at rated current	<2° at rated current	<2° at 50/60 Hz
Frequency Range	50 to 400 Hz	50 to 400 Hz	20 Hz to 5 kHz
Dielectric Strength	5200 VAC for 1 minute	5000V around case, 600V rated leads	7400 VAC around coil, 1000 VAC rated leads
Polarity	White lead is positive	White lead is positive	White lead is positive
Output Lead	Leads 8 ft twisted pair, 22 AWG	Leads 8 ft twisted pair, 20 AWG	79" shielded cable
Operating Temperature	-15 to 60°C (5 to 140°F)	-20 to 55°C (-4 to 131°F)	-20 to 70°C (-4 to 158°F)
Case Protection	White Nylon, UL 94V-0	Epoxy encap, ABS/PVS UL 94 V-0	PA6 UL 94 V-0
Working Voltage	600 VAC Category III	600 VAC Category III	1000 Vrms maximum
Weight	7.8 oz	12 oz	5, 6, 8 & 10 oz
Product Dimensions	1.85" x 2.00" x 2.76"	3.3" x 3.4" x 1.0"	Lengths: 16", 24", 36" & 47"

**Installed using best practices with conductor centered in the CT window and ensure any external conductors are a minimum distance of > 2X the diameter of the RoCoil™. Accuracy below 20A rated at 1.5% +/- 0.5A when used with DENT ELITEpro/PowerScout meters. RoCoil CTs have been 100% verified to meet the C57.13-2008 Class 1.2 Standard.

ORDERING

Please select one MIDI, Medium Split Core or ROCOIL™ option (A).

A MIDI

- ☐ CT-HMC-0100-U (100A)
☐ CT-HMC-0200-U (200A)

A Medium Split-Core

- ☐ CT-SCM-0100-U (100A)
☐ CT-SCM-0200-U (200A)
☐ CT-SCM-0400-U (400A)
☐ CT-SCM-0600-U (600A)

A ROCOIL™

- ☐ CT-R16-A4-U (5000A, 16" Length, 5.5" O.D. x 4.5" I.D. Window Size)
☐ CT-R24-A4-U (5000A, 24" Length, 8.0" O.D. x 7.0" I.D. Window Size)
☐ CT-R36-A4-U (5000A, 36" Length, 11.8" O.D. x 10.8" I.D. Window Size)
☐ CT-R47-A4-U (5000A, 47" Length, 15.5" O.D. x 14.6" I.D. Window Size)

BUILD PART NUMBER

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: CT-R16-A4-U



The MIDI is UL Recognized: UL STD 61010-1
 Certified to: CAN/CSA STD C22.2 [No. 61010-1]



The Medium Split-Core is Compliant
 with IEEE c57.3-1993



The ROCOIL is UL STD 61010-1
 Certified to: CAN/CSA STD C22.2 [No. 61010]