






CURRENT TRANSFORMERS

POWERSCOUT'S™ FLEXIBLE CHOICE OF CURRENT TRANSFORMERS

All DENT current transformers are internally shunted and, therefore, inherently safe compared to other commercially available CTs. Choose from three types: **Split-Core**, **RōCoil™** and **Clamp-On** (not pictured).

AVAILABLE CURRENT TRANSFORMERS					
	High Accuracy SHS-0005	Small Split Core SCS-0050, 0100	Medium Split Core SCM-0100, 0200, 0400, 0600	Large Split Core SCL-0600, 1000	RōCoil™ 16", 24", 36" Length
					
ELECTRICAL SPECIFICATIONS					
Output Signal	333mV at rated current	333mV at rated current	333mV at rated current	333mV at rated current	131mV/1000A @ 60 Hz 110mV/1000A @ 50 Hz
Accuracy	+/- 1% at 0.5% to 140% of rated current	+/- 1% at 10% to 130% of rated current	+/- 1% at 10% to 130% of rated current	+/- 1% at 10% to 130% of rated current	+/- 1% reading
Phase Shift	<1° at rated current	<2° at rated current	<2° at rated current	<2° at rated current	< 1° at 50/60 Hz
Frequency Range	10 Hz to 10 KHz	50 Hz to 400 Hz	50 Hz to 400 Hz	50 Hz to 400 Hz	40 Hz to 5 kHz
Nominal Rating	5 Amps	50, 100 Amps	100, 200, 400, 600 Amps	600, 1000 Amps	N/A
Useful Current Range	0.05-7 Amps	5-65, 10-130 Amps	10-130, 20-260, 40-520, 60-780 Amps	60-780, 100-1200 Amps	0-3500 Amps (PowerScout™) 15-20,000A (depending on meter compatibility)
MECHANICAL SPECIFICATIONS					
Window Size	1.0 cm (0.4")	1.9 cm (.75")	3.2 cm (1.25")	5.1 cm (2.0")	16": 13.0 cm (5.0") 24": 19.0 cm (7.5") 36": 26.5 cm (10.5")
Dimensions	6.4 x 2.5 x 5.1 cm (2.5 x 1.0 x 2.0")	5.08 x 5.34 x 1.55 cm (2.0 x 2.1 x 0.6")	8.26 x 8.6 x 2.54 cm (3.3 x 3.4 x 1.0")	12.07 x 12.70 x 3.05 cm (4.8 x 5.0 x 1.2")	Length 16" (40 cm) Length 24" (60 cm) Length 36" (91 cm)
Polarity	White lead is positive	White lead is positive	White lead is positive	White lead is positive	Brown lead is positive
Output Lead	Leads 2.7 m (8 ft) twisted pair, 22 AWG	Leads 2.7 m (8 ft) twisted pair, 22 AWG	Leads 2.7 m (8 ft) twisted pair, 22 AWG	Leads 2.7 m (8 ft) twisted pair, 22 AWG	2 m (6 ft) shielded cable
Operating Temperature	-20° to 50° C (-4° to 122° F)	Maximum 105° C (220°)	Maximum 105° C (220°)	Maximum 105° C (220°)	-10° to +80° C (+14° to +176° F)
OTHER FEATURES					
Weight	136 g (4.8 oz)	136 g (4.8 oz)	340 g (12 oz)	748 g (26.4 oz)	16": 184.0 g (6.5 oz) 24": 216.0 g (7.5 oz) 36": 312.0 g (11.0 oz)
Dielectric Strength	5000V around the case 600V rated leads	5000V around the case 600V rated leads	5000V around the case 600V rated leads	5000V around the case 600V rated leads	7400 VAC around coil 1000 VAC rated leads
Storage Temperature	Maximum 105° C (220° F)	Maximum 105° C (220° F)	Maximum 105° C (220° F)	Maximum 105° C (220° F)	Maximum 80° C (176° F)
Case Protection	Plastic ABS/PVS or Epoxy encapsulated housing	Epoxy encapsulated housing	Epoxy encapsulated housing	Epoxy encapsulated housing	Thermoplastic Rubber
SAFETY SPECIFICATIONS					
Safety Requirements	Compliant with IEEE C57.13-1993	Compliant with IEEE C57.13-1993	Compliant with IEEE C57.13-1993	Compliant with IEEE C57.13-1993	CE Mark, Double Insulation, EN-61010 UL 94V0
Working Voltage	Maximum 600 Vrms	Maximum 600 Vrms	Maximum 600 Vrms	Maximum 600 Vrms	Maximum 1000 Vrms CAT III