











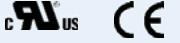











# AVAILABLE CURRENT TRANSFORMERS

DENT Instruments offers a wide selection of current transformers. Choose from compact and economical Split-Core CTs, convenient Clamp-On style CTs, or the versatile Rogowski Flex CTs. Each type offers its own particular advantages depending on your application. DENT CTs are interchangeable to meet your varying project requirements.

	<b>MINI HINGED</b> HSC-020, -050 	<b>MIDI HINGED</b> HMC-100, -200 	<b>HIGH ACCURACY</b> SHS-0005, -0015 	<b>SMALL SPLIT CORE</b> SCS-0050, -0100 	<b>MED SPLIT CORE</b> SCM-0100, -0200, -0400, -0600 	<b>LARGE SPLIT CORE</b> SCL-0600, -1000 	<b>150A CLAMP-ON</b> CON-0150EZ 	<b>500A CLAMP-ON</b> CON-0500 	<b>1000A CLAMP-ON</b> CON-1000 	<b>ROCOIL</b> R16, R24, R36, R72 	<b>ROCOIL mV</b> RMV-16, -24, -36, -72 
<b>KEY SPECIFICATIONS</b>											
<b>WINDOW SIZE</b>	1 cm (0.4")	2.5 cm (1.0")	1.0 cm (0.4")	1.9 cm (.75")	3.2 cm (1.25")	5.1 cm (2.0")	5.2 cm (1.0")	3.3 cm (1.2")	5.2 cm (2.0")	16": 13 cm (5") 24": 19 cm (7") 36": 26 cm (10") 72": 56 cm (22")	16": 13 cm (5") 24": 19 cm (7") 36": 26 cm (10") 72": 56 cm (22")
<b>OUTPUT SIGNAL</b>	333 mV at rated current	333 mV at rated current	333 mV at rated current	333 mV at rated current	333 mV at rated current	333 mV at rated current	333 mV @ 150 Amps AC	333 mV @ 500 Amps AC	333 mV/A @ 1000 Amps AC	131 mV/1000A @ 60 Hz 110 mV/1000A @ 50 Hz	333 mV AC at rated current Max output 1,665 mVAC
<b>USEFUL CURRENT RANGE</b>	0.25-40 Amps 0.25-80 Amps	1-200 Amps 1-300 Amps	0.05-7 Amps, 0.15-20 Amps	1-65, 2-130 Amps	5-130, 4-260, 8-520, 12-780 Amps	30-780, 20-1300 Amps	.5 to 300 Amps	20 to 600 Amps	20 to 1200 Amps	ESP/PS3: 50-5000 Amps PS18: 50-3500 Amps	16": 10—1300A 24": 30—2600A 36": 30—3900A 72": 60—6000A
<b>ELECTRICAL SPECIFICATIONS</b>											
<b>NOMINAL RATING</b>	20, 50 Amps	100, 200 Amps	5 Amps, 15 Amps	50, 100 Amps	100, 200, 400, 600 Amps	600, 1000 Amps	150 Amps	500 Amps	1000 Amps	3000 Amps	16", 1000A 24", 2000A 36", 3000A 72", 6000A
<b>ACCURACY</b>	<0.5% at rated current	<1.0% at rated current	+/- 0.5% at 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% at rated current	±2.5% for 20 to 600 Amps 48-440 Hz ±3.5% for 20 to 600 Amps 440-1000Hz	+/- < 1%	+/- 1% reading	1% typical at 2% to 500% of rated current
<b>PHASE SHIFT</b>	<1.5° at rated current	<0.5° at rated current	<0.5° at rated current	<2° at rated current	<2° at rated current	<2° at rated current	< 1° from 5 to 25A 1° from 25 to 150A < 1.5° from 150 to 300A	< 3° for 20 to 600 Amps 50/60 Hz	+/- < 1°	< 1° at 50/60 Hz	< 1° at rated current
<b>FREQUENCY RANGE</b>	50 to 400 Hz	50 to 400 Hz	10 Hz to 10 KHz	50 Hz to 400 Hz	50 Hz to 400 Hz	50 Hz to 400 Hz	50 Hz to 400 Hz	48 Hz to 1000 Hz	30 Hz to 5 kHz	40 Hz to 5000 Hz	45 to 600 Hz
<b>DIELECTRIC STRENGTH</b>	3520 VAC for 1 minute	5200 VAC for 1 minute	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	5200 VAC, CAT III	6000V, 50/60 Hz between primary, secondary and outer case of the handle, 3000V 50/60 Hz between primary and secondary	5200 VAC, 50/60 Hz between primary, secondary and the outer case of the handle	7400 VAC around coil 1000 VAC rated leads	7400 VAC around coil 600 VAC rated leads
<b>MECHANICAL SPECIFICATIONS</b>											
<b>DIMENSIONS</b>	2.6 x 2.9 x 4.2 cm (1.04 x 1.16" x 1.64")	4.7 x 4.7 x 7.0 cm (1.85 x 1.85 x 2.76")	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")	8.7 x 5.0 x 1.9 cm (3.4 x 1.9 x 0.8")	19.5 x 6.6 x 3.4 cm (7.7 x 2.6 x 1.3")	21.6 x 11.1 x 4.5 cm (8.5 x 4.4 x 1.8")	Length 16" (40 cm) Length 24" (60 cm) Length 36" (90 cm) Length 72" (180 cm)	Length 16" (40 cm) Length 24" (60 cm) Length 36" (90 cm) Length 72" (180 cm)
<b>WEIGHT</b>	91 g (3.2 oz)	221 g (7.8 oz)	136 g (4.8 oz)	136 g (4.8 oz)	340 g (12 oz)	748 g (26 oz)	136 g (4.8 oz)	350 g (12 oz)	500 g (19 oz)	16": 184 g (6 oz) 24": 216 g (7 oz) 36": 312 g (11 oz) 72": 495 g (17 oz)	16": 184 g (6 oz) 24": 216 g (7 oz) 36": 312 g (11 oz) 72": 495 g (17 oz)
<b>POLARITY</b>	White lead is positive	White lead is positive	White lead is positive	White lead is positive	White lead is positive	White lead is positive	Red lead is positive	Red lead is positive	Red lead is positive	White lead is positive	Red lead is positive
<b>OUTPUT LEAD</b>	Leads 2.7 m (8 ft) twisted pair, 20 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, 20 AWG	Leads 2.7 m (8 ft) twisted pair, 20 AWG	Leads 2.7 m (8 ft) twisted pair, 20 AWG	2.4 m (8') 22 gage, 600V	3 m (118") Double insulated	3 m (118") Double insulated	2 m (79") shielded cable	2 m (79") shielded cable
<b>OPERATING TEMPERATURE</b>	-15 to 60 °C (5 to 140 °F)	-15 to 60 °C (5 to 140 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 70 °C (-4° to 158 °F)	-15 to 50 °C (5 to 122 °F)	-10 to 50 °C (14 to 120 °F)	-10° to +80 °C (+14° to +176 °F)	-20 °C to +60 °C (-4° to +140 °F)
<b>STORAGE TEMPERATURE</b>	Maximum 105 °C (220 °F)	Maximum 105 °C (220 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	-25° to 70 °C (-13° to 158 °F)	-40 to 80 °C (40 to 176 °F)	-20 to 70 °C (-4 to 160 °F)	Maximum 80 °C (176 °F)	Maximum 60 °C (140 °F)
<b>CASE PROTECTION</b>	White nylon, UL 94 V-0	White nylon, UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	White ABS, UL 94 V-0	IP 40 (IEC 529) UL 94 V-0	IP 40 (IEC 529) UL 94 V-0	Thermoplastic Rubber UL 94 V-0	Thermoplastic Rubber UL 94 V-0
<b>SAFETY SPECIFICATIONS</b>											
<b>SAFETY REQUIREMENTS</b>	UL Recognized: UL STD 61010-1 Certified to: CAN/CSA STD C22.2 No. 61010-1 	UL Recognized: UL STD 61010-1 Certified to: CAN/CSA STD C22.2 No. 61010-1 	Compliant with IEEE C57.13-1993 CE Mark 	Compliant with IEEE C57.13-1993 CE Mark 	Compliant with IEEE C57.13-1993 CE Mark 	Compliant with IEEE C57.13-1993 CE Mark 	UL Recognized: UL STD 61010-1 Certified to: CAN/CSA STD C22.2 No. 61010-1 	CE Mark, Compliant with IEC 1010-2-032 	CAN/CSA STD C22.2 No. 61010-1 	CE Mark, Double Insulation, EN-61010 CAN/CSA STD C22.2 No. 61010-1 	Conforms to UL STD 61010-1 Certified to CAN/CSA STD C22.2 No. 61010 
<b>WORKING VOLTAGE</b>	600 VAC Category III	600 VAC Category III	Maximum 600 Vrms UL 506	Maximum 600 Vrms Category III	Maximum 600 Vrms Category III	Maximum 600 Vrms Category III	Maximum 600 Vrms Category III	Maximum 600 Vrms Category III	Maximum 600 Vrms Category III	Maximum 1000 Vrms Category III	600 Vrms maximum