

EnergiSensors®

Current Transformers (CT's).

A comprehensive range of power measurement sensors for use with Elecenergy EnergiAnalyzers®. Accurate Measurement and Verification of all loads from 10A to 10,000A.







EnergiSensor Current Transformers (CTs) support our full line of revenue-grade EnergiAnalyzers and help meet all measurement and verification-based requirements. Designed as part of a simple and effective process for accurately capturing power consumption, CTs are easy to specify and install non-invasively for retrofits or new construction projects.

The better the equipment, the better the measurement. EnergiSensors CT's are highly accurate and are certified to be used for revenue-grade performance and are certified to ANSI standards.

The EnergiSensor CT range comprises of 3 types of CT's that provide metering that range from small to extremely high loads. For added safety, all EnergiSensor CT's come with built-in voltage suppression devices that prevent hazardous voltages from developing on CT secondaries should they become disconnected from a meter with load current present. EnergiSensor CTs are UL listed devices. The EnergiSensor-CT range provides:

- > Solid-Core CTs (SlipOn) for use in new build projects where they can be fitted without concern for load downtime. CT range for Solid Core is upto 400A, and delivers +/-0.3% accuracy.
- > Split-Core CTs (SnapOn) offer the greatest utility at the lowest cost where non-invasive retrofit installation is required. CT range for Solid Core is upto 1000A, and delivers +/-0.5% accuracy.
- > Flexible / Rogowski Coil CT's (WrapOn) provide lightweight metering at very high current loads and Busbar applications. Upto 10,000A per phase, and delivers +/-1.0% accuracy.



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Elecenergy. Current Transformers (CT's) Specifications.

!	48,13	5.	MCI-500	bua solid core ci
	10.10	4.00	100,000	COL SCIENCE CT
!	¥0.10	0.76	MCT_SQD	BOA Solid Cove CT
!	H, W (cm)	Window size (cm)		Solid Core CT Sensors
	18, 1.5	15	MCT-F504	500A - 5000A Flex CT, 45 cm long
	29, 1.5	×	MCT-F310	500A - 3000A Flex CT, 100 cm long
!	21, 1.5	19	MCT-F306	500A - 3000A Flex CT, 60 cm long
!	15, 1.5	13	MCT-F304	500A - 3000A Flex CT, 40 cm long
Į.	29, 1.5	86	MCT-F110	100A - 1000A Flex CT, 100 cm long
!	21, 1.5	19	MCT-F100	100A - 1000A Flex CT, 60 cm long
	15, 1.5	15	MCT-F104	100A - 1000A Flex CT, 40 cm long
	Outside & Coil Diamter (cm)	Window size (cm)		Flexible CT Sensors
	12.7, 12.0, 3.0	55	MCT-D1000	1000A Detachable Head CT
	88 . 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3	ä	MCT-D600	600A Detachable Head CT
	6.9, 6.7, 2.0	2.5	WCT-D400	400A Detachable Head CT
	5.3, 5.1, 1.5	16	MCT-D200	200A Detachable Head CT
	7.4, 4.5, 3.4	2.4	MCT-D200	200A Split Core CT
	3.0, 2.3, 2.6	1	MCT-P00	00A Split Core CT
	н, w , D (an)	Window size (cm)	Part Number	Split/Detachable Core
				CT Dimensions
IEC 1010-2-052	IEEE C57.13-1995	C57.13-1994	C57.13-1993	con cap containment
CE Mark, Compliant with	ETL, CE, Compliant with	IEEE, ETL, CE, Compliant with	IEEE, ETL, CE, Compliant with	Caraty Cartification
Case IP 65 (NEMA 4)	ABS UIS4-V2	TA-4610 SBV	ABS UL94-VD	Case Protection
-20 to +70°C	-20 to +80°C	-20 to +80°C	-20 to +80°C	Storage Temp
Indoor/Outdoor	Indoor	Indoor	Indoor	Use
				Safety
40cm - 500g to 5000A, 40cm - 600g	600 & 1000A -748g	Society Park Park	300g & 400A -350g	4400
1000A, 100cm = 500g to 3000A,	200A=136g, 400A = 430g,	50.4-360 200A - 360a	30A = 65g, $60A = 130g$,	Tako 1984
-10 to +55 °C	12 to 50 °C	11 to 50 °C	10 to 50 °C	Operating Temp
1.8m twisted pair	2.7m twisted pair	2.7m twisted pair	2.7m twisted pair	Output Lead
White lead is positive	White lead is positive	White lead is positive	White lead is positive	Polarity
				Mechanical
333mV @ 100A or 5000A	333mV @ Rated Current	333m/V @ Rated Current	333mV @ Rated Current	Output Signal
Maximum 600 Yrms	Maximum 600 Vrms	Mlaximum 600 Ynms	Maximum 600 Vrms	Working Voltage
100 to 5000A AC	10% to 130% of Rated Current	10% to 130% of Rated Current	10% to 130% of Rated Current	Useful Current Range
40 Hz to 5 kHz	50 Hz to 400 Hz	50 Hz to 400 Hz	50 Hz to 400 Hz	Frequency Range
< 1° 50/60 Hz	< 2" @ Rated Current 50/80 Hz	< 2° @ Rated Current 50/60 Hz	< 2° @ Rated Current 50/60 Hz	Phase Shift
±1-4%, depends on CT orientation	0.5% ± 2.5-3.5%	±1% from 10% to 130%	±1% from 10% to 130%	ADELLION
1000, 3000 5000 Amps	200, 400, 600, 1000 Amps	60, 200 Amps	30, 60, 200, 400 Amps	Nominal Rating
Flexible CT	Detachable CT	Split-Core CT	Salid-Care CT	Electrical