

SPLIT CORE -CURRENT TRANSFORMERS

The EVERFAR series of split core current transformers are designed for fast and easy installation. The split core design permits non-contact current measurements through magnetic field induction without requiring that the primary wire be taken offline and disconnected for CT installation. This method permits a safer, easy and portable current measurement. An internal precision burden resistor across the secondary winding of the CT provides a safe low voltage output and permits safe opening of the secondary

Features

- Low cost
- Split core design; safer, easier installation, portable.

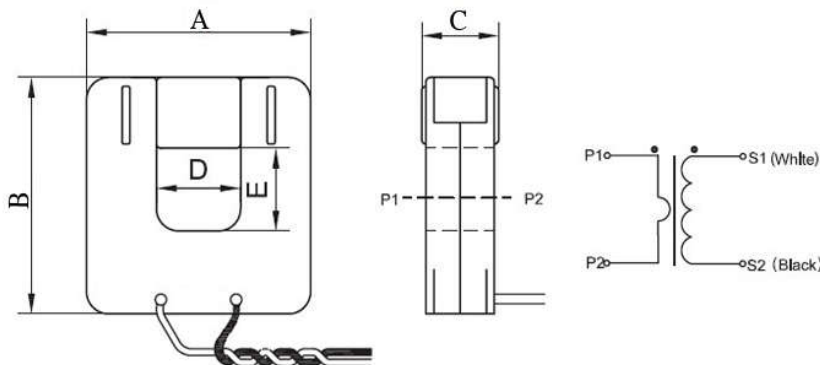
Specifications

- Rated Current 5A to 3000A loads.
- Rated output: 0.333Vac
- Accuracy: $\pm 1\%$ from 5% to 120% of rated current
- Phase Angle: less than 2 degrees at 50% of rated current
- Insulation Voltage: 600Vac
- Maximum Primary Voltage: 5000Vac (Insulated Conductor)
- Operating Temperature: -15°C to 60°C .
- Frequency Range: 50-400Hz
- Leads: 4Foot (105cm), UL 1015, Twisted Pair, 0.34 mm^2 (22AWG)
- UL & CE recognized. RoHS Compliant
- Output and leads can be customized



Application:

Measures AC current flow to electric motors, lighting, air conditioning equipment, etc. Compatible with HVAC temperature control, power management, building automation systems.





Everfar Electrical Group
温州艾瑞法电气

CURRENT TRANSFORMER LOW VOLTAGE

---Produced by Subcompany QIANWEI Current Transformer

Model	I.D.	Rated Amps	Output	Accuracy	SIZE (mm)				
					A	B	C	D	E
EF-SCT-0750	0.75" (19.1mm)	5, 15, 30, 50, 70, 100, 150, 200	0.333V	1.0	51.6	54.1	16.6	19.1	18
EF-SCT-1250	1.25" (31.8mm)	70, 100, 150, 200, 250, 300, 400, 600		1.0	82.3	85.3	26.4	32	32.3
EF-SCT-2000	2.00" (50.8mm)	400, 600, 800, 1000, 1200		1.0	120	125	29.6	52.5	52
EF-SCT-3000	3.00" x 5.00" (76.2mm x127mm)	1000, 1200, 1500,2000.3000		1.0	145	199	30.5	76	130

SPLIT CORE -CURRENT TRANSFORMERS

The EVERFAR series of split core current sensors are designed for fast and easy installation. Split-core transformers are ideal for installation on existing electrical wiring by snapping around the conductor. This method permits a safer, easy and portable current measurement.

Features:

- Small size, low cost
- High secondary turns
- Secure locking hinge

Specifications

- Rated Current 5A to 600A
- Rated output: 0.333Vac
- Current Ratio:3000:1
- Insulation Voltage:600Vac
- Maximum Primary Voltage:5000Vac(Insulated Conductor)
- Operating Temperature:-15°C to 60°C.
- RoHS Compliant
- Frequency Range:50-400Hz
- Leads:4Foot(105cm),UL1015, Twisted Pair,0.34 mm²(22AWG)
- CE recognized.
- Output and leads can be customized



Model	I.D.	Ratio	Rated Amps	Accuracy
EF-SCT-T06	6mm	1000:1	1, 5, 10, 15, 20,	0.5 , 1.0
EF-SCT-T10	10mm	3000:1	5, 15, 30, 50, 75, 80	0.5 , 1.0
EF-SCT-T16	16mm	3000:1	50, 70, 100, 120	0.5 , 1.0
EF-SCT-T24	24mm	3000:1	100, 150, 200, 300	0.5 , 1.0
EF-SCT-T36	36mm	3000:1	300, 400, 500, 600	0.5 , 1.0

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Indoor or Outdoor split core current transformer

Specification:

- Maximum continuous primary current 100A to 1500AAC
- Output:1A or 5A at rated current
- Accuracy: $\pm 1\%$
- Indoor or Outdoor use,Outdoor type with rubber cover
- Insulation Voltage: 600VAC
- Maximum Primary Voltage: 5000VAC(Insulated Conductor)
- Phase angle: Less than 2 degrees at 50% of rated current
- Frequency Range: 50 Hz to 400 Hz
- Operating Temperature: -15C to 60C.
- Leads: 1.0 m cable
- CE recognized, and RoHS compliant
- Output and leads can be customized



Model	I.D.	Rated Amps	Accuracy
EF-SCT-T24B	24mm	100, 150, 200, 300	0.5 , 1.0
EF-SCT-T36B	36mm	100, 200, 300, 500	0.5 , 1.0
EF-SCT-T50B	50mm	500,1000,1200,1500	0.5 , 1.0



SPLIT CORE -CURRENT TRANSFORMERS

The EVERFER KCT series current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. The connection of conventional CTs usually requires the interruption of the primary side circuit to pass cables or bur-bars through the transformer core or to connect such c ables to the prima ry terminals. The KCT series transformers core may be easily opened and they may be installed and connected without any supply interruption. Thus saving time and the installation costs.

Features:

Very easy to mounting.
Wide inner window,
allowing clamping of big cables or bus-bars.
Wide range of sizes to
accommodate all the existing installations.

Specifications

- Rated Current 5A to 5000A
- Rated output: 5A or 1A
- Rated test voltage: 3kV AC. (1 min)
- Rated short-time thermal current(I_{th}): 60I_n
- Rated dynamic current, (I_{dyn}): 2.5I_{th}
- Rated voltage,(U_m): 0.72Kv AC.
- Continuous overload,(I_d): 1.2I_n
- Operating temperature: -10 degree ~50 degree
- Housing self-extinguishing class: VO
- Safety factor: FS 5





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Ratio	ID	Class 0.5	Class 1	Class 3
KCT-23 100/5A	30x20 mm	-	-	1.5VA
KCT-23 150/5A		-	-	2
KCT-23 200/5A		-	1.5	2.5
KCT-23 250/5A		-	2.5	4
KCT-23 300/5A		1.5	2.5	6
KCT-23 400/5A		2.5	3.75	10
KCT-58 250/5A	80x50 mm	1	2	4
KCT-58 300/5A		1.5	3	6
KCT-58 400/5A		1.5	3	10
KCT-58 500/5A		2.5	5	15
KCT-58 600/5A		2.5	5	15
KCT-58 750/5A		3	6	20
KCT-58 800/5A		3.75	7.5	20
KCT-58 1000/5A		5	10	20
KCT-88 250/5A	80x80 mm	1	2	3.75
KCT-88 300/5A		1.5	3	5
KCT-88 400/5A		1.5	3	10
KCT-88 500/5A		2.5	5	15
KCT-88 600/5A		2.5	5	15
KCT-88 750/5A		3	6	20
KCT-88 800/5A		3.75	7.5	20
KCT-88 1000/5A		5	10	20
KCT-812 500/5A	120x80 mm	-	4	12.5
KCT-812 600/5A		-	5	15
KCT-812 750/5A		2.5	6	17.5
KCT-812 800/5A		3	7.5	20
KCT-812 1000/5A		5	10	20
KCT-812 1200/5A		6	12.5	25
KCT-812 1250/5A		7.5	15	30
KCT-812 1500/5A		8	17	30
KCT-816 1000/5A	160x80 mm	10	15	20
KCT-816 1500/5A		15	20	25
KCT-816 2000/5A		15	20	25
KCT-816 2500/5A		15	20	25
KCT-816 3000/5A		20	25	30
KCT-816 4000/5A		20	25	30
KCT-816 5000/5A		20	25	30

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SPLIT CORE -CURRENT TRANSFORMERS

FSCT-36 Waterproof Split Core Current Transformer

FSCT-36 Waterproof current transformer is built with silicone steel core and is potted for outdoor use. In addition, it is designed for easy installation on ground potential conductors.

Specification

Window size : 36 mm
 Operation Condition: Outdoor
 Usage: Measurement
 Insulating Medium: Common Insulating Materials
 Accuracy: 0.5-1%
 Standards: GB20840; IEC 61869
 Safety Factor Rating :< 10
 Rated Frequency: 50Hz or 60Hz
 Environment: Outdoor
 Rated Secondary Current: 5A or 1A ,mA,mV
 Secondary Winding Power Frequency Withst: 3kv/1min
 Certificates:Waterproof certificate
 Phase: Single
 Export Markets: Global



Model	WSCT-60
Model	FSCT-36
Window size	36mm
Rated primary current	100-800 Arms
Rated output	5A/1A,mA,mV
IP rating	IP 67
Burden	1.5VA -5VA
Max current	800 Arms
Turns	100-3000T
Accuracy class	0.5, 1.0
Equipment maximum voltage	0.66/0.72KV
Wire lead	2*2.5mm2 sheathed wire
Insulation strength	3KVac/min
Insulation impedance	DC500V/100MΩ
Rated frequency	50-400HZ
Working temperature	-25℃~70℃
Storage temperature	-30℃~80℃



SPLIT CORE -CURRENT TRANSFORMERS

EVERFAR FCT is a flexible current probe utilizing the Rogowski principle, which is suitable to conveniently measure single and three phase AC as well as pulsed DC currents. After appropriate signal conditioning, it can be used with digital multimeters, recorders and other suitable equipment to measure current from very low frequencies up to 1MHz.

The probes comprise a flexible air-cored sensor which can be opened, allowing them to be installed around a primary conductor without interrupting the circuit. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas and with large conductors.



(without integrator)



0.333V/5V output with Integrator



3 Phase Rogowski coil

Features:

- Capable of accommodating a range of primary conductor sizes.
- Characterized by high sensitivity, accuracy, linearity, minimum phase shift.
- Suitable for harsh operating environments (temperature, humidity, EMI).
- Current Range: 10A to 100kA
- Accuracy: < 1%
- Phase Shift: < 1 degrees at 50/60Hz (< 0.5 degrees typical)
- Linearity: $\pm 1\%$ from 10% to 100% of rated primary current
- Influence of External Field: $\pm 1.5\%$ maximum
- Coil Working voltage: 1000VRMS or 1000VDC
- Coil Dielectric Surge Withstand: 5kVRMS for 1 minute
- Operating temperature: -20°C to +60°C
- Leads: Shielded cable, or as per customer need





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Specifications:

Rated current (rms)	10A-100KA
Output	100mV/1000A (without integrator)
	0-5V AC(with integrator)
Power supply	+9V/+12V
Coil length	200mm-2000mm
Window size	60mm-630mm
Tube	UL material
Wire lead	Shielded cable 1.0M
Isolation voltage	3500V
Operating temperature	-25°C-+70°C
Frequency	50Hz-60Hz
Accuracy	±1%

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