

OSI FLEXIBLE SPLIT-CORE CURRENT TRANSFORMERS

PROVIDE SAFE CONVENIENT INSTALLATION

DESCRIPTION

The OSI flexible split-core current transformers provide the lowest cost installation available. The transformers are made of a silicon steel core which allows the units to actually be split and twisted around existing conductors for installation.

The units are encapsulated in silicon rubber to protect against moisture, dirt, oil, and corona, and are suitable for outdoor installation. The transformers are secondary-limited to 40Vac eliminating the concern of high secondary potential in open circuit situations.

These units are available with inside diameters of four, six, eight, or eleven inches and primary current ranges of 200 Amperes to 6000 Amperes. All units have 5-Ampere secondaries and can be used with any OSI current or watt transducer with a 5-Ampere input.

FEATURES

- Flexible split-core configuration provides for easy installation on large conductors.
- Unit is encapsulated in silicon rubber to protect against moisture, dirt, oil, and corona.
- Suitable for indoor or outdoor installation.
- Secondary open circuit voltage limited to 40Vac.

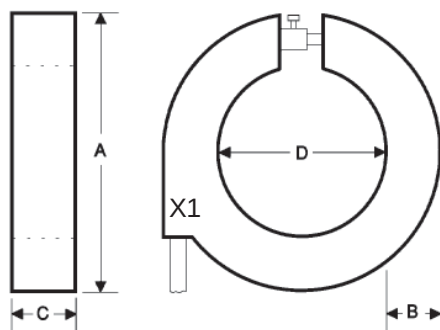


APPLICATIONS

- For use with any indicating device or Ammeter which is designed for 5-Amp input.
- Ideal for use with Watt transducers, current transducers, and energy management systems.

MODEL SELECTION

CURRENT RATIO	ACCURACY AT 60HZ (%)	BURDEN AT 60HZ (VA)	THERMAL FACTOR	PART NUMBER	WT. (LBS.)	TRANSFORMER DIMENSIONS (INCHES)			
						A	B	C	D
200:5	4.0	2.0	1.25	13084	3.50	6.5	1.25	1.50	4.0
300:5	4.0	2.0	1.25	12511	3.50	6.5	1.25	1.50	4.0
	4.0	2.0	1.25	12520	4.25	8.5	1.25	1.50	6.0
400:5	3.0	2.0	1.25	12512	3.50	6.5	1.25	1.50	4.0
	3.0	2.0	1.25	12521	4.25	8.5	1.25	1.50	6.0
500:5	3.0	3.0	1.25	12513	3.50	6.5	1.25	1.50	4.0
	3.0	3.0	1.25	12522	4.25	8.5	1.25	1.50	6.0
600:5	2.0	5.0	1.25	12514	3.50	6.5	1.25	1.50	4.0
	2.0	5.0	1.25	12523	4.25	8.5	1.25	1.50	6.0
800:5	2.0	5.0	1.25	12515	3.50	6.5	1.25	1.50	4.0
	2.0	5.0	1.25	12524	4.25	8.5	1.25	1.50	6.0
1000:5	1.0	5.0	1.25	12516	3.50	6.5	1.25	1.50	4.0
	1.0	5.0	1.25	12525	4.25	8.5	1.25	1.50	6.0
1200:5	1.0	5.0	1.25	12517	3.50	6.5	1.25	1.50	4.0
	1.0	5.0	1.25	12526	4.25	8.5	1.25	1.50	6.0
1500:5	1.0	15.0	1.25	12518	3.50	6.5	1.25	1.50	4.0
	1.0	15.0	1.25	12527	4.25	8.5	1.25	1.50	6.0
	1.0	15.0	1.25	12534	5.50	10.5	1.25	1.50	8.0
2000:5	1.0	25.0	1.25	12519	3.50	6.5	1.25	1.50	4.0
	1.0	25.0	1.25	12528	4.25	8.5	1.25	1.50	6.0
	1.0	25.0	1.25	12535	5.50	10.5	1.25	1.50	8.0
2500:5	1.0	35.0	1.25	12529	4.25	8.5	1.25	1.50	6.0
	1.0	35.0	1.25	12536	5.50	10.5	1.25	1.50	8.0
3000:5	1.0	45.0	1.25	12530	4.25	8.5	1.25	1.50	6.0
	1.0	45.0	1.25	12537	5.50	10.5	1.25	1.50	8.0
	1.0	45.0	1.25	12542	7.50	13.5	1.25	1.50	11.0
3500:5	1.0	45.0	1.25	12531	4.25	8.5	1.25	1.50	6.0
	1.0	45.0	1.25	12538	5.50	10.5	1.25	1.50	8.0
	1.0	45.0	1.25	12543	7.50	13.5	1.25	1.50	11.0
4000:5	1.0	45.0	1.25	12532	4.25	8.5	1.25	1.50	6.0
	1.0	45.0	1.25	12539	5.50	10.5	1.25	1.50	8.0
	1.0	45.0	1.25	12544	7.50	13.5	1.25	1.50	11.0
5000:5	1.0	45.0	1.25	12533	4.25	8.5	1.25	1.50	6.0
	1.0	45.0	1.25	12540	5.50	10.5	1.25	1.50	8.0
	1.0	45.0	1.25	12546	7.50	13.5	1.25	1.50	11.0
6000:5	1.0	45.0	1.25	12541	5.50	10.5	1.25	1.50	8.0
	1.0	45.0	1.25	12547	7.50	13.5	1.25	1.50	11.0



SPECIFICATIONS

Frequency..... 50-400Hz
Insulation 600Vac
Leads..... 12ft length
Terminals Spade terminal
Construction
Core..... Directional silicon steel
Secondary Copper
Casing Silicon rubber, flexibility maintained over -45°C to +200°C temperature range

UL Models are available. Consult factory.

OHIO SEMITRONICS, INC.

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OSI FLEXIBLE SPLIT-CORE CURRENT TRANSFORMERS

RECTANGULAR WINDOW (BUS BAR) MODELS

DESCRIPTION

The OSI flexible split-core current transformers provide the lowest cost installation available. The transformers are made of a silicon steel core which allows the units to actually be split and twisted around existing conductors for installation.

The units are encapsulated in silicon rubber to protect against moisture, dirt, oil, and corona, and are suitable for outdoor installation. The transformers are secondary-limited to 40Vac, eliminating the concern of high secondary potential in open circuit situations.

These units are available with a 2.75-inch rectangular window and primary current ranges of 500 Amperes to 5000 Amperes. All units have 5-Ampere secondaries and can be used with any OSI current or Watt transducer with a 5-Ampere input.

FEATURES

- Flexible split-core configuration provides for easy installation on large conductors.
- Unit is encapsulated in silicon rubber to protect against moisture, dirt, oil, and corona.
- Suitable for indoor or outdoor installation.
- Secondary open-circuit voltage limited to 40Vac.



APPLICATIONS

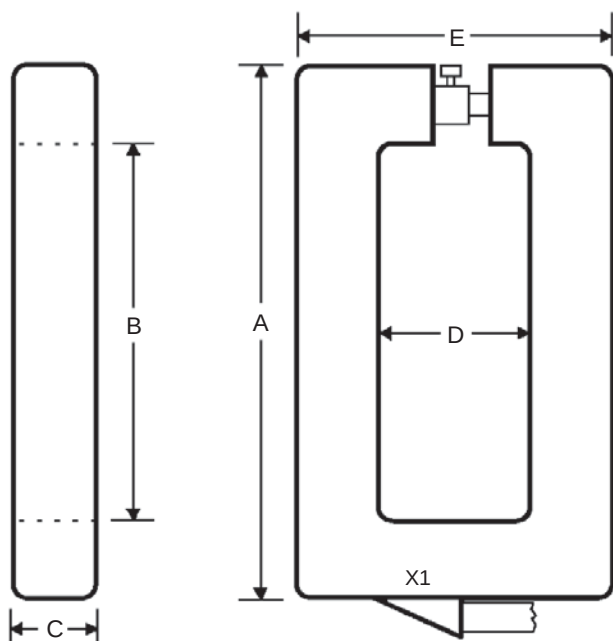
- For use with any indicating device or Ammeter which is designed for 5-Amp input.
- Ideal for use with Watt transducers, current transducers, and energy management systems.

MODEL SELECTION

50/60 Hz FLEXIBLE CURRENT TRANSFORMER

CURRENT RATIO	ACCURACY AT 60HZ (%)	BURDEN AT 60HZ (VA)	THERMAL FACTOR	PART NUMBER	WT. (LBS.)	TRANSFORMER DIMENSIONS (INCHES)				
						A	B	C	D	E
500:5	3.0	3.0	1.25	12599	4.25	9.375	6.625	1.50	2.75	5.50
600:5	2.0	3.0	1.25	12600	4.25	9.375	6.625	1.50	2.75	5.50
800:5	2.0	5.0	1.25	12601	4.25	9.375	6.625	1.50	2.75	5.50
1000:5	1.0	5.0	1.25	12602	4.25	9.375	6.625	1.50	2.75	5.50
1200:5	1.0	5.0	1.25	12603	4.25	9.375	6.625	1.50	2.75	5.50
1500:5	1.0	15.0	1.25	12604	4.25	9.375	6.625	1.50	2.75	5.50
2000:5	1.0	25.0	1.25	12605	4.25	9.375	6.625	1.50	2.75	5.50
2500:5	1.0	35.0	1.25	12606	4.25	9.375	6.625	1.50	2.75	5.50
3000:5	1.0	45.0	1.25	12607	4.25	9.375	6.625	1.50	2.75	5.50
3500:5	1.0	45.0	1.25	12608	4.25	9.375	6.625	1.50	2.75	5.50
4000:5	1.0	45.0	1.25	12609	4.25	9.375	6.625	1.50	2.75	5.50
5000:5	1.0	45.0	1.25	12610	4.25	9.375	6.625	1.50	2.75	5.50

SENSOR DIMENSIONS



SPECIFICATIONS

Frequency..... 50-400Hz
Insulation 600Vac
Lead Length..... 12ft.
Terminals Spade terminal
Construction
Core Directional silicon steel
Secondary Copper
Casing Silicon rubber, flexibility maintained over -45°C to +200°C temperature range

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