

# AC "CT" STYLE CURRENT TRANSDUCERS

**TYPES: CS-6xxx (Solid core) SC-6xxx (Split core)**



## FEATURES

- CT style
- Moulded case insulation to 600VAC
- Solid core & split core versions
- Din rail mounted
- Self powered 0-5VDC & 0-10VDC outputs
- Loop powered 4-20mA output



## DESCRIPTION

The CS-6xx & SC-xx range of AC current transducers look like standard current transformers and are used as such. The range is available in standard ring type, or for retro fit projects in split core. Either way both types are Din rail mountable, moulded case and insulated up to 600VAC.

Some of the transducers are dedicated primary ranges, whilst others have selectable primary ranges, selectable via a slider switch or jumpers, like traditional CT's primary turns can be made to reduce the ratio. Three output options are available, either a 0-5VDC or 0-10VDC output which is self powered. The 4-20mA version is a loop powered output and therefore requires a nominal 24VDC external source to power the loop.

The 675 types are designed to measure complex and distorted wave forms being a TRMS device, they are also ideal for current measurement on the output side of VFD's.

## SPECIFICATIONS

<b>Response Time:</b>	Types 650 & 651 (200mSec) Types 652 (250mSec) Types 675 (500mSec)	<b>Temp Range:</b>	-15°C to +60°C Types 675 (-15°C to +50°C)
<b>Accuracy:</b>	Class 2 (Class 1 on request)	<b>Humidity:</b>	5-90% RH
<b>0-5VDC Output:</b>	Self powered Load 1 MOhm typical	<b>CS Dimensions:</b>	Aperture 20.3mm Dia. Body 66W x 67H x 25mmDD
<b>0-10VDC Output:</b>	Self powered Load 1MOhm typical	<b>SC Dimensions:</b>	Aperture 20.3mm Dia. Body 67W x 69H x 24mmDD
<b>4-20mA Output:</b>	15-30VDC loop powered Max load 600 Ohms (@24VDC)	<b>Enclosure:</b>	ABS/PC, UL94V-0
		<b>Approvals:</b>	cULus listed
		<b>CE Marked:</b>	Yes

## ORDERING INFORMATION

P/No.	Primary Range Amps	Max Cont. A	Hz Range	Output
CS-650-R1 & SC-650-R1	0-10A / 0-20A / 0-50A*	100 Amps	45-65Hz	0-5VDC
CS-650-R2 & SC-650-R2	0-50A / 0-100A / 0-150A*	150 Amps	45-65Hz	0-5VDC
CS-650-200 & SC-650-200	0-200 A	200 Amps	45-65Hz	0-5VDC
CS-651-R1	0-10A / 0-20A / 0-50A*	100 Amps	45-65Hz	0-10VDC
SC-651-R1	0-20A / 0-40A / 0-60A*	100 Amps	45-65Hz	0-10VDC
SC-651-R2	0-50A / 0-100A / 0-150A*	150 Amps	45-65Hz	0-10VDC
CS-651-100	0-100 A	150 Amps	45-65Hz	0-10VDC
CS-651-200 & SC-651-200	0-200 A	225 Amps	45-65Hz	0-10VDC
CS-652-R1	0-10A / 0-20A / 0-50A*	100 Amps	45-65Hz	4-20mA
SC-652-R1	0-20A / 0-40A / 0-60A*	100 Amps	45-65Hz	4-20mA
CS-652-R2 & SC-652-R2	0-50A / 0-100A / 0-150A*	150 Amps	45-65Hz	4-20mA
CS-652-200 & SC-652-200	0-200 A	250 Amps	45-65Hz	4-20mA
CS-675-2 & SC-675-2	0-2A	10 Amps	20-400Hz	4-20mA
CS-675-5 & SC-675-5	0-5A	15 Amps	20-400Hz	4-20mA
CS-675-R1 & SC-675-R1	0-10A / 0-20A / 0-50A**	100 Amps***	20-400Hz	4-20mA
CS-675-R2 & SC-675-R2	0-50A / 0-100A / 0-150A**	150 Amps****	20-400Hz	4-20mA
CS-675-200 & SC-675-200	0-200A	250 Amps*****	20-400Hz	4-20mA

CS = Solid Core SC = Split Core

\*Range switch selectable \*\*Range jumper selectable

\*\*\*On the split core variant the max continuous current is x3 of the range selected

\*\*\*\*On the split core variant the max continuous current is x2 of the range selected

\*\*\*\*\*On the split core variant the max continuous current is 300 Amps

