"CT STYLE" SPLIT CORE DC CURRENT

TRANSDUCERS

TYPES: FOX.DCCT

FEATURES

- Great alternative to DC shunts
- Particularly suitable for use on higher DC voltages
- Complete isolation between the output signal and the measured current
- Choice of analogue outputs
- Split core

180

Class 1 accuracy

DESCRIPTION

A range of moulded case DC "CT" style split core transducers available in 15 housing sizes catering for DC currents from 50 Amps to 30000 Amps. The transducers are available with a choice of output options and require a DC auxiliary power supply, either single for uni-directional monitoring, or \pm for bi-directional current flow (import / export).

SPECIFICATION

 Accuracy:
 1% FS (Class 1)

 Temp drift:
 ≤ 500ppm / °C

 Linearity range:
 x 1.5 lmax

 Overload capability:
 x 5 lmax

 Response time:
 10uS

 Current consumption:
 ≤ 25mA

 Isolation:
 3KV

GROUP

Operation Temp: -10°C to +80°C
Fire retardancy: UL94-V0

ORDERING INFORMATION

P/NO	<u>HOUSING*</u>	PRIMARY CURRENT	<u>OUTPUT</u>	AUX SUPPLY
FOX.DCCT	C1 to C16	xxx Amp	0-5 VDC	+ 12VDC
			0-20mA	+ 15VDC
			4-20mA	+ 24VDC
				<u>+</u> 12VDC**
				+ 15VDC**

^{*} Specify

It is often the case when utilising this range of products that they are being used on higher potential DC systems and that the only voltage available is the higher DC potential. We therefore have a range of Din rail mounted DC to DC converters to facilitate the DC auxiliary supply voltage required for the above CT's. Our DC to DC converters can be found on pages 133 & 134

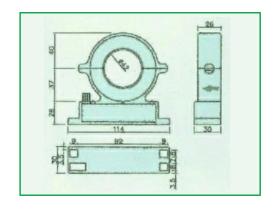
CONNECTION DIAGRAMS UNI-DIRECTIONAL MONITORING ---- 12V + Positive power supply TRANSDUCER -- No connection **POWER SUPPLY** M Signal output **OUTPUT G** Ground ⊸ NV **BI-DIRECTIONAL MONITORING** ------- +12V + Positive power supply TRANSDUCER -- Negative power supply M Signal output OUTPUT POWER SUPPLY **G** Ground ----- 0V

^{**} Aux supply option for bi directional current flow applications (not 4-20mA output)

"CT STYLE" SPLIT CORE DC CURRENT TRANSDUCERS

HOUSING C1







PRIMARY RANGES:

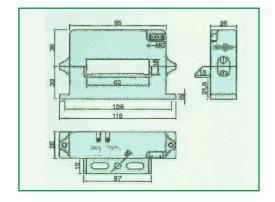
0-100 Amps to 0-1000 Amps

TERMINAL ARRANGEMENT:

Connector

HOUSING C2





PRIMARY RANGES:

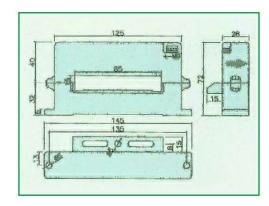
0-200 Amps to 0-1800 Amps

TERMINAL ARRANGEMENT:

Connector

HOUSING C3





PRIMARY RANGES:

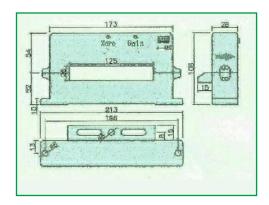
0-500 Amps to 0-2800 Amps

TERMINAL ARRANGEMENT:

Connector

HOUSING C4





PRIMARY RANGES:

0-300 Amps to 0-6000 Amps

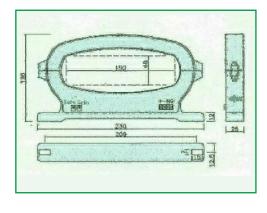
TERMINAL ARRANGEMENT:

Screw

HOUSING C5



Tel: 0161 626 5316 / 01276 25858



PRIMARY RANGES:

0-300 Amps to 0-6000 Amps

TERMINAL ARRANGEMENT:

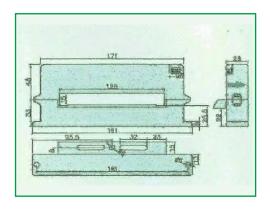
Screw

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HOUSING C6







PRIMARY RANGES:

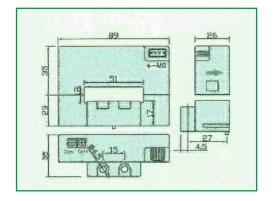
0-200 Amps to 0-5000 Amps

TERMINAL ARRANGEMENT:

Connector

HOUSING C7





PRIMARY RANGES:

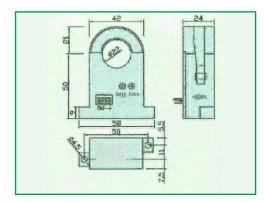
0-300 Amps to 0-1500 Amps

TERMINAL ARRANGEMENT:

Connector

HOUSING C8





PRIMARY RANGES:

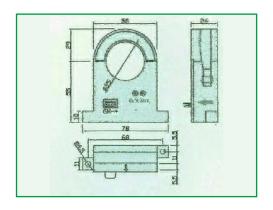
0-50 Amps to 0-1000 Amps

TERMINAL ARRANGEMENT:

Connector

HOUSING C9





PRIMARY RANGES:

0-50 Amps to 0-1000 Amps

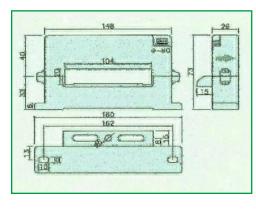
TERMINAL ARRANGEMENT:

Connector

HOUSING C10







PRIMARY RANGES:

0-500 Amps to 0-5000 Amps

TERMINAL ARRANGEMENT:

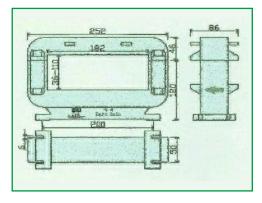
Connector

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"CT STYLE" SPLIT CORE DC CURRENT TRANSDUCERS

HOUSING C11







PRIMARY RANGES:

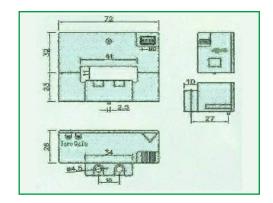
0-4000 Amps to 0-10000 Amps

TERMINAL ARRANGEMENT:

Screw

HOUSING C12





PRIMARY RANGES:

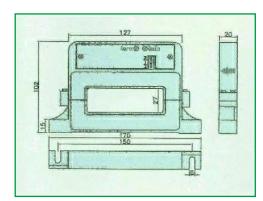
0-100 Amps to 0-1000 Amps

TERMINAL ARRANGEMENT:

Connector

■ HOUSING C13





PRIMARY RANGES:

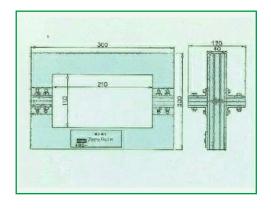
0-500 Amps to 0-2500 Amps

TERMINAL ARRANGEMENT:

Connector

HOUSING C14





PRIMARY RANGES:

0-10000 Amps to 0-30000 Amps

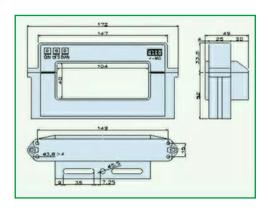
TERMINAL ARRANGEMENT:

Connector

HOUSING C16



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PRIMARY RANGES:

0-500 Amps to 0-2500 Amps

TERMINAL ARRANGEMENT:

Connector