

CT Chambers for Electricity Metering

CTC series CT Chambers are designed for LV metering applications and are available in ratings from 200A to 2500A. CT chambers can be utilised to meter the Distribution Network Operator's supply (DNO) or they can be part of the Building Network Operator's installation. A Building Network Operator (BNO) is an organisation (often the owner or landlord of the premises) who operates the electricity distribution network between the DNO intake and individual tenants' installations within a multiple occupancy building.

We produce a range of standard chambers in ratings from 200A to 2000A, which utilise sealable, all insulated enclosures. General arrangement drawings can be found on our website and it should be confirmed prior to installation that they meet the requirements of the relevant DNO or BNO. We also supply suitable measuring CTs and details are given below.

We produce a range of high current CT chambers in accordance with SSE requirements, which incorporate wooden cable clamps for bunched wavecon conductors. Due to the rigid nature of the cable, the front sections of SSE CT chambers are removable, to allow maximum access for installers, who have to terminate up to 11 cables per chamber. Once the cables have been terminated, the removable enclosure sections can be put back in place (see SP49 for further details).

Also available are specific assemblies designed for Temporary Builders Supplies, which combine a CT Chamber with a Blakley 4P All-Insulated MCCB/RCD, rated at 400A, 800A, 1250A and 1600A. Refer to data sheet DDS110 for full details of the range, including free-standing GRP housings. Combined assemblies can also be supplied for permanent installations, incorporating a CT Chamber and a 4P MCCB or switch rated up to 1600A (in place of an RCD). Please contact us with specific requirements (CT chamber specification, cable entry/exit, etc) and we would be pleased to quote.

Standard Part Numbers

Part Number	Type Number	Description
S030096	CTC/400/LR	CT Chamber, 2 / 400A
S030097	CTC/800/LR	CT Chamber, 800A
S031338A	CTC/800/SR/037	CT Chamber, 800A
S031339A	CTC/1250/SR/037	CT Chamber, 1250A
S030229	CTC/1600/LR	CT Chamber, 1600A
S031398A	CTC/1600/SR/037	CT Chamber, 1600A
S031349A	CTC/2000/SR/084	CT Chamber, 2000A

LR = Standard Blakley configuration
 SR = Scottish & Southern configuration. SR chambers with termination arrangements in accordance with SSE drawing HO/65/081 can be supplied to order.



CTC/400/LR with Shield Plate removed

Measuring Current Transformers for LR CT Chambers to BS EN 61869-1 and 2 (3 no. CTs required per CT Chamber)

S031367	CT200:5 (for S030096)	200:5 ratio, class 0.5, 3VA	All CT burdens are quoted at class 0.5 and rated for 60IPR for one second (maximum 90kA). IPR = Primary Current of CT Please note: standard CTs are not supplied with calibration certificates. If calibrated CTs are required please specify at the time of enquiry or order placement as it affects part numbers, costs and lead time.
S031368	CT400:5 (for S030096)	400:5 ratio, class 0.5, 8VA	
S031369	CT600:5 (for S030097)	600:5 ratio, class 0.5, 4VA	
S031370	CT800:5 (for S030097)	800:5 ratio, class 0.5, 6VA	
S031371	CT1200:5 (for S030229)	1200:5 ratio, class 0.5, 25VA	
S031372	CT1600:5 (for S030229)	1600:5 ratio, class 0.5, 40VA	

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