



# Cut Out Metering Chamber

Integrated metering & primary fuse protection

*engineering brilliant solutions*

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**Helping consumers meet challenging energy reduction targets, the innovative Cut Out Metering Chamber integrates with the Lucy Switchgear range of Heavy Duty Cut Outs to provide a complete off the shelf service provision in one of the most compact packages on the market.**

The dual chamber format provides segregated service and metering functions for DNOs and Meter Operators so that each party has access to the equipment for which they are directly responsible. The impact resistant thermoplastic enclosure has numerous sealing wire points to minimise the risk of malicious tampering.

Designed to be equipped with polyphase smart meters, a legal requirement for commercial premises of more than 500 sq meters, there is also an option to fit a second check meter if required.

A stainless steel wall bracket enables the Cut Out Metering Chamber / Heavy Duty Cut Out and trough assembly to be pivoted into place in one simple operation, whilst the flame retardant backboard improves ease of handling and installation.

Fuse protection for the installation is provided by the dependable Heavy Duty Cut Outs equipped with their BS88 J type fuses, which are connected to the Cut Out Metering Chamber by individually shielded copper busbars.



## Key Features

- Dual chamber construction with sealable, lockable doors
- Rating 200/400/600A
- Removable N/E link for use with CNE 3 and SNE 4 wire 50Hz 400V systems
- Factory configured one piece assembly
- Incoming and outgoing conductors up to 300mm<sup>2</sup>
- Alternative conductor termination solutions
- Bolted busbar connections between Cut Out Metering Chamber & Heavy Duty Cut Out
- Supplied with tri-rated 200/400/600A Class 0.5 Bar Type Current Transformers
- DIN rail mounted voltage potential fuses
- MOCOPA compatible DIN rail mounted modular test block
- Accepts polyphase meter with ISO mountings
- Provision for check meter
- Standard Litton Veam generator handle compatible
- Kelman Fusemate compatible
- Rezap compatible

## Benefits

- Segregated service and metering functions
- Tamper resistant design
- Corrosion-proof thermoplastic enclosure
- One piece assembly ready for onsite installation
- Familiar presentation of test facilities
- Operator protected fully shielded design with access to all test positions
- Long term reliability using proven fuse technology
- Economic through life cost

## Safety Features

- Fully shrouded test facilities for both Cut Out Metering Chamber & Heavy Duty Cut Out
- All insulated test enclosure
- IP 2X protection during maintenance, IP3X in fully operation state
- Flame retardant backboard

**N.B. Meter not supplied with Cut Out Metering Chamber**

Busbar interconnection between Cut Out Metering Chamber & Heavy Duty Cut Out



Voltage potential fuses



Dual closure levels



Transparent terminal shrouds



Test terminal bank



Tri-rated CL0.5 metering class CT's

### Options

- Supplied with or without external earth termination
- Supplied for retrofit termination to the latest generation of Lucy Heavy Duty Cut Outs
- Kit available for SWA cables

### Quality / Accreditation

- ISO 9001 quality systems approved
- Current Transformers conform to IEC60044-1
- Flammability rating UL 94 V2, self extinguishing

For further information about the Cut Out Metering Chamber range visit  
[www.lucyswitchgear.com](http://www.lucyswitchgear.com)

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## Technical specifications

### Current Transformer specification

Meter class	CL 0.5
Ratings	200, 400, 600/5A
Burden	5VA
Test Standards	EN 61000-6-3-2007, EN 61000-6-1-2007

	200A (flexible busbar)	400A (rigid busbar)	600A (rigid busbar)
Current Transformer Busbar rating	250A nominal	630A nominal	630A nominal
Supply voltage	230 / 400Va.c	230 / 400Va.c	230 / 400Va.c
Rated insulation voltage	690Va.c	690Va.c	690Va.c
Frequency (Hertz)	50Hz	50Hz	50Hz

### Complete Cut Out Metering Chamber, Heavy Duty Cut Out & trough without board

Max unit height	917mm	1100mm	1100mm
Max unit width	508mm	508mm	508mm
Max unit depth (not including meter)	274mm	274mm	274mm

### All units when backboard mounted:

Board height	1200mm		
Board width	700mm		
Board thickness	18mm		

Approximate weight 43.5kgs (excluding fuses and meter).

N.B. Meter is not supplied with the Cut Out Metering Chamber / Heavy Duty Cut Out.

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