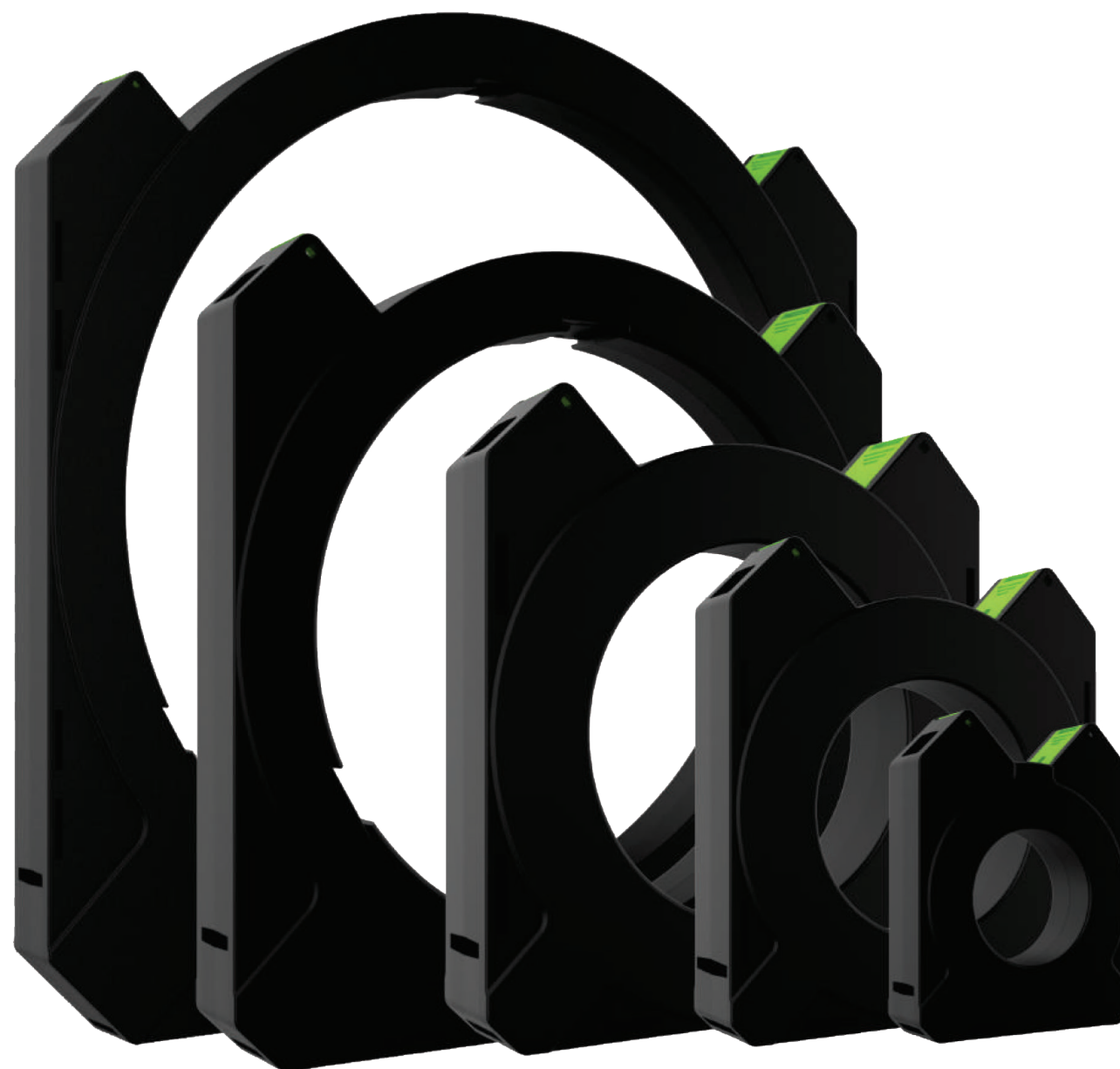


INTRODUCING CBCT TOGETHER WITH ELPR

(Core Balance Current Transformer 38, 57, 70, 120 & 210)





Purpose

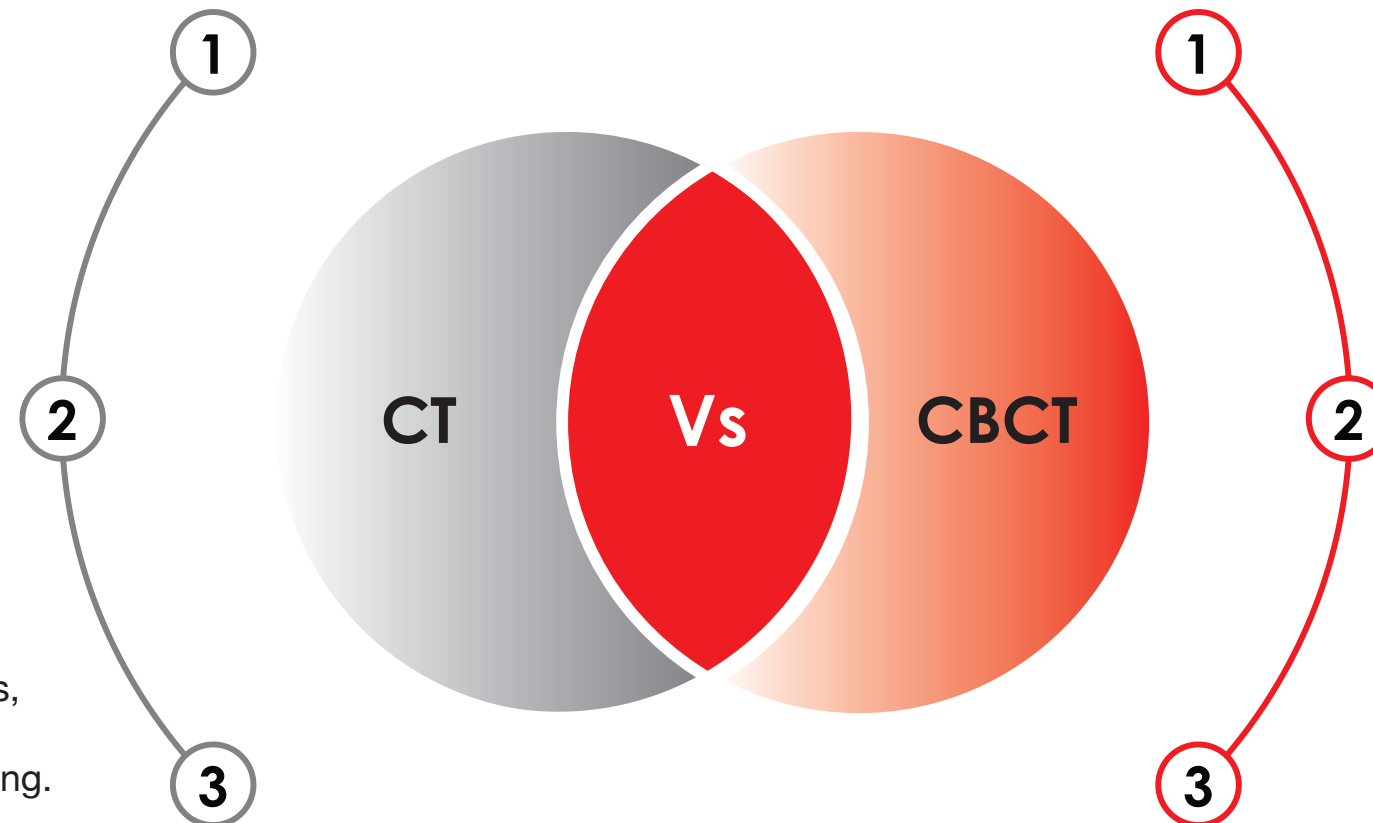
CTs are primarily used to measure high current levels in power systems. They step down the current to a proportional value that can be safely measured by instruments, protective relays, or meters.

Output

The secondary output of conventional CT is 1A or 5A used for metering or protection.

Application

CTs are used for a wide range of applications, including current measurement for metering, protection relays, and power quality monitoring.



Purpose

CBCTs, are specifically designed to detect and measure leakage current in electrical systems. They are used to detect leakage faults by measuring the difference between the currents in the phase conductors and the return path.

Output

Ideally the output of CBCT should be zero. In case of fault, CBCT's output is in mA to A.

Application

CBCTs are specifically used for ground fault protection in systems where it is important to quickly detect and isolate ground faults to prevent electrical shock hazards and equipment damage.

CBCT will be sold in market along with our New Release Product ELPR (Earth Leakage Protection Relay).

As these products share a technical attribute with each other, there must be a common physical element that the ELPR and CBCT showcase in Product Basket.



New ELPR

New CBCT



**Compact,
Lightweight
& Reliable
Design**

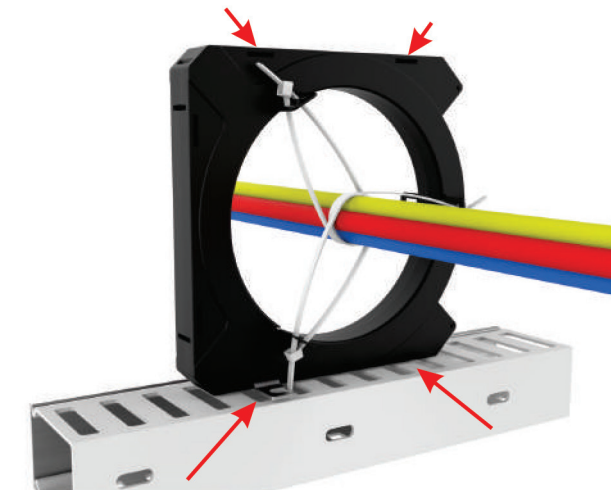
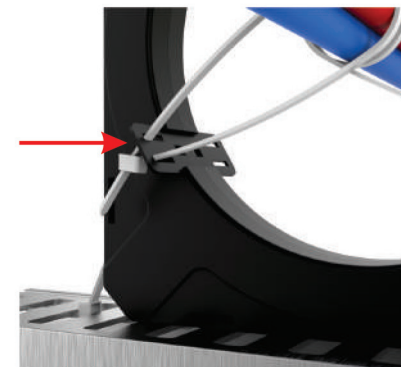
Weight <<
50% of
OLD CBCT

**Protective Cap for
secured secondary
connections**



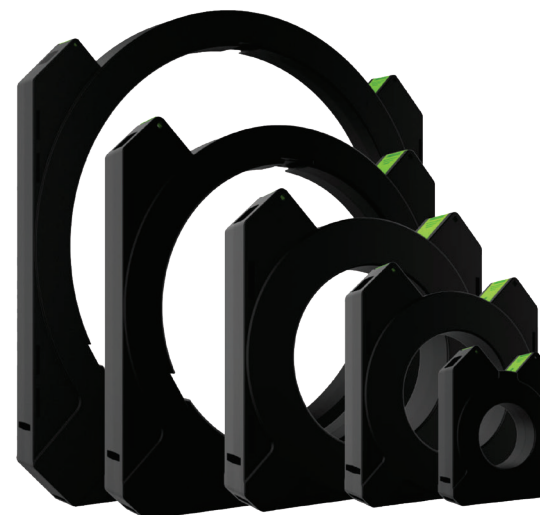
Cable Tie Clips

Cable tie clips are located on the CT to ensure the busbar is centrally aligned to get the absolute output.



Flexible Mounting Provision

Both horizontal & vertical Mounting is possible considering the practical challenges while installation.



Available in Different Sizes

CBCT 38
CBCT 57
CBCT 70
CBCT 120
CBCT 210



Input Current
30mA to 30A

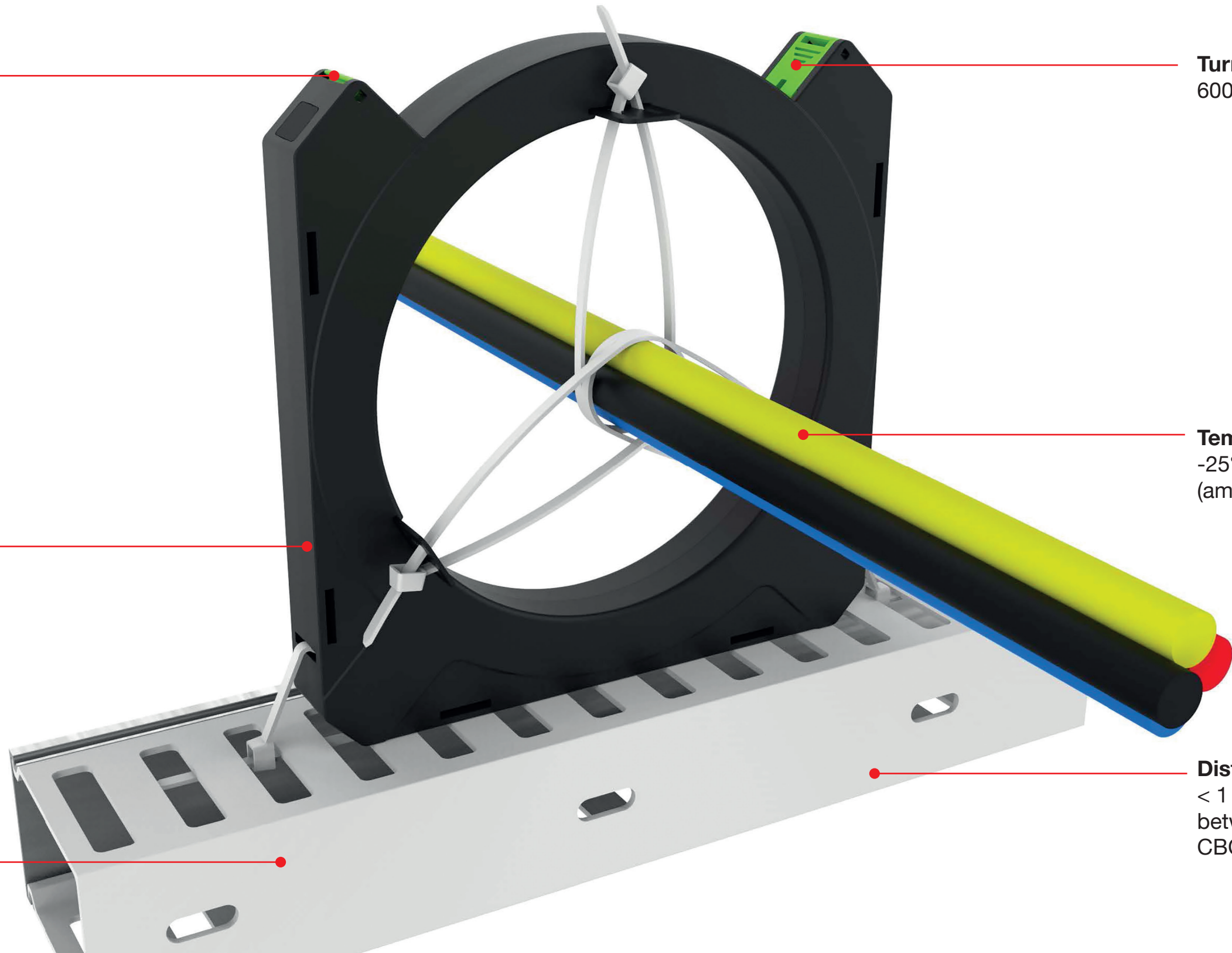
Turns Ratio
600:1

Temperature
-25°C to 55°C
(ambient)

Standard
IEC 61869 part1-2

Enclosure
Nylon 6, 20%GF,
FR (30) Black

Distance
< 1 meter
between ELR &
CBCT





1. Higher in price compared to competition
2. Bulky in weight
3. No specific provision for mounting

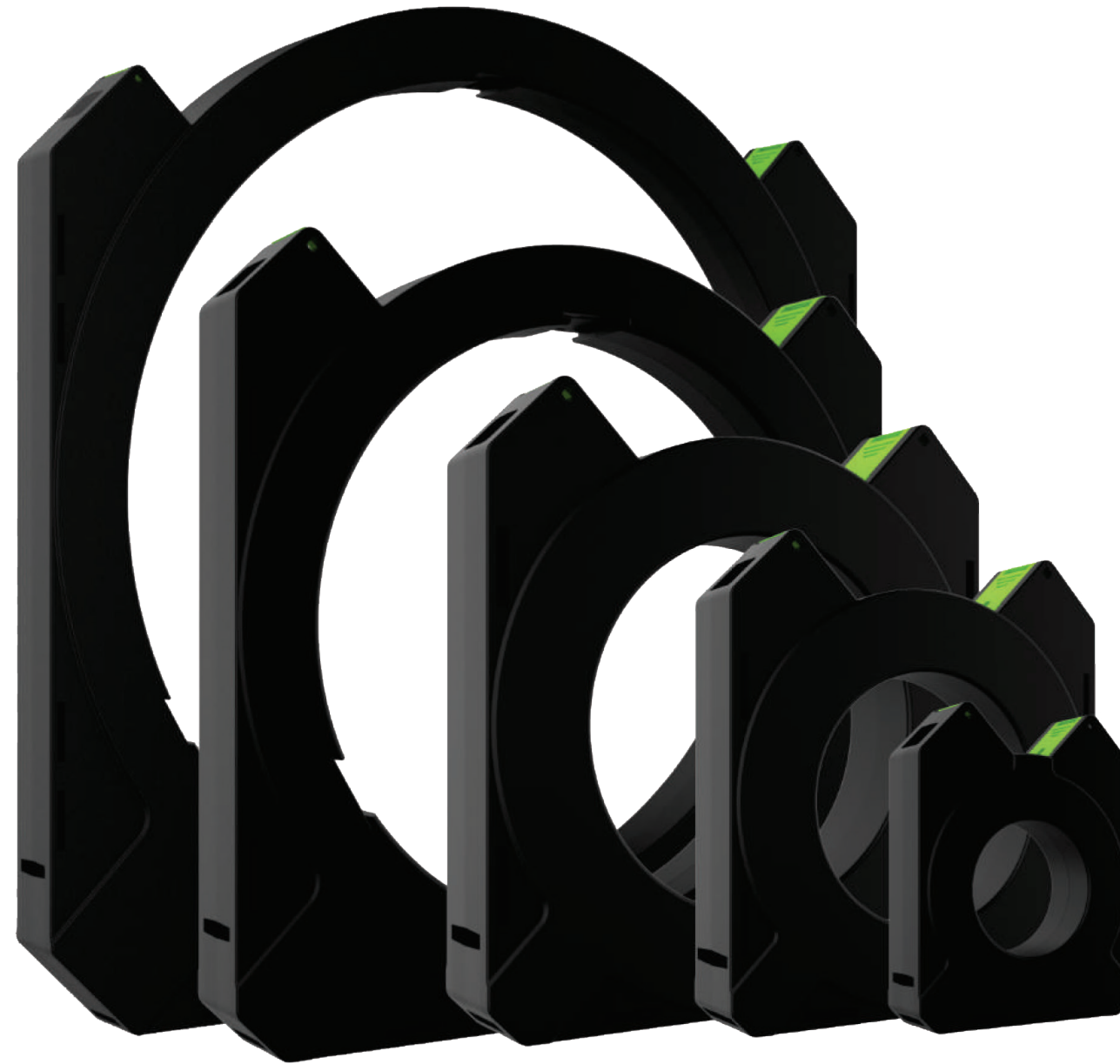
**OLD
CBCT**

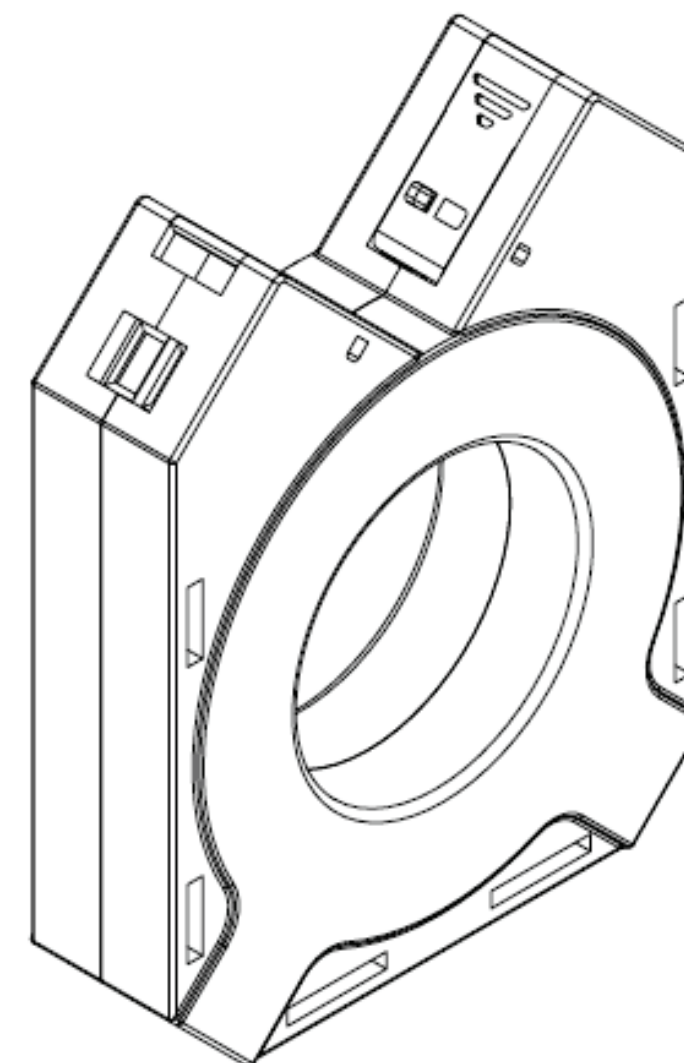
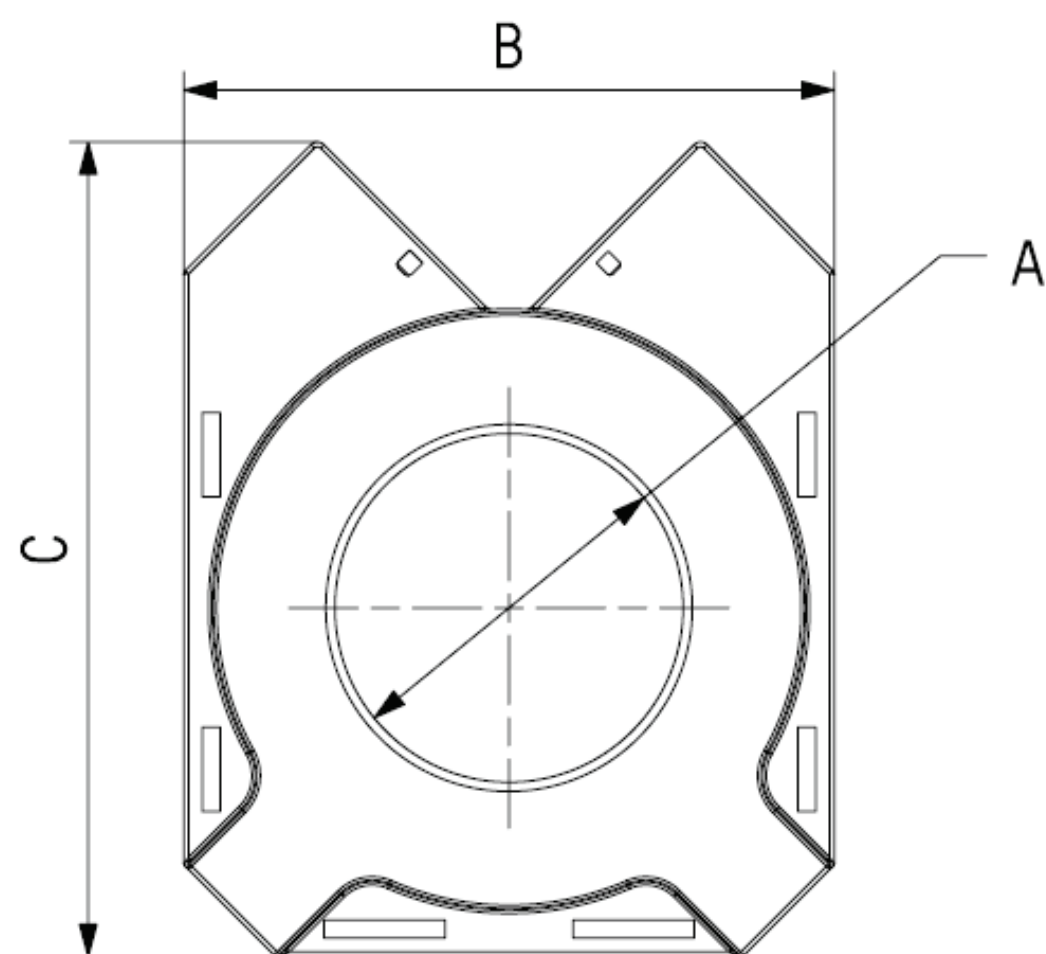
VS

**NEW
CBCT**

1. Cost competitive with respect to competition
2. Compact, lightweight & reliable design
3. Horizontal as well as vertical wall mounting provision







Product Range Sizes Table

MODELS	A	B	C	D
Model-1	38	71	89	20
Model-2	57	97	122	20
Model-3	70	109	137	20
Model-4	120	153	192	20
Model-5	210	250	248	25