

Balancing your power needs

BEC32 range

The three phase integrated BEC32 range, with BS footprint, are ideal meters for the retrofit market, whether residential, commercial or light industrial. The meters are exceptionally hardy and robust, making them ideal for a wide variety of installation environments. An added feature of the range is the ability to detect tampering, even in the absence of an incoming supply.



Features

- > Reverse energy measurement
- > Configurable tamper detection
- > Meter fully operational with only one phase powered
- > Programmable phase imbalance
- > Thermal protection of terminals



We see a world where we can all achieve more while using less



We help utilities maximise their service delivery



Our products, solutions and services are simple, efficient and innovative

Product specifications

Voltage ratings

Nominal voltage (-20% +15%) 220VAC - 230VAC
 Supply frequency (±5%) 50Hz

Current ratings

Base current (I_b) 10A
 Max current (I_{max}) 100A
 Min starting current
 Class 1 40mA
 Class 2 50mA
 Utilisation category UC2

Nominal power consumption

1.6W / 9VA

Accuracy

Class 1 (maintained throughout life cycle of product)

Over voltage rating

420VAC for 48 hours

Short circuit rating

Short-circuit withstand 3.0kA

Protection

Power overload	Meter tampering
Current overload	Thermal overload
Over / under voltage	Phase imbalance

Environmental

Operating temperature -10°C to +55°C
 Storage temperature -25°C to +70°C
 Humidity 95% non-condensing
 IP rating IP 54
 RF immunity 30V/m

Status indicators

Rate LED (1000 pulses / kWh)

Installation

Footprint BS7856 - Asymmetrical
 Insulation class Double insulation

Terminals

Type	Live	Neutral
Maximum size	Cage clamp 25mm ²	Cage clamp 25mm ²

Security

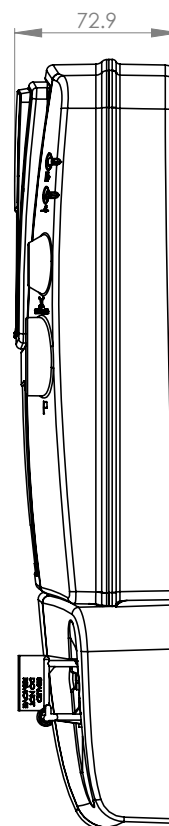
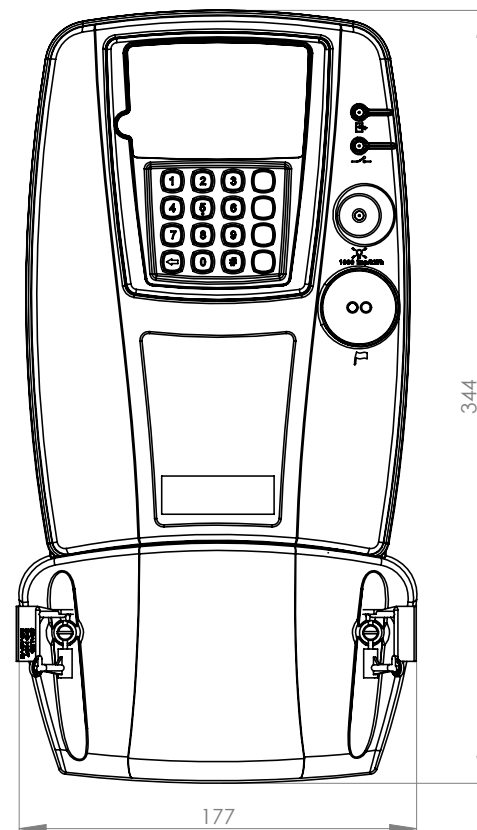
Meter housing Security seals
 Terminal cover Serialised plastic security seals
 Tamper protection Tamper terminal cover
 Load disconnection on tamper detection
 No power tamper (optional)

Standards

IEC 62052-11	IEC 60068-2-6
IEC 62053-21	SANS 1524-1
IEC 62055-41	ISO 14001:2004
IEC 62056-21	ISO 9001:2008
IEC 60068-2-27	ISO 18001

Packaging

Units per box 1
 Box weight (incl box) 1.3kg
 For further packaging information, kindly contact Conlog



Conlog

P O Box 2332, Durban, 4000, South Africa
 Tel +27 (31) 268-1111 Fax +27 (31) 268-1500
<http://www.conlog.co.za>
info@conlog.co.za