

# Metering your three phase demand

## BEC62 range

The split configuration of the BEC62 range of three phase meters, means that the metering device is installed outside the consumer's premises, whilst the user interface keypad is installed within the home. This provides increased security, whilst ensuring consumer convenience. Absolute safety is assured through the built in galvanic isolation, and the new advanced tamper detection capabilities detect tamper even in the absence of an incoming supply.



### Features

- > Advanced tamper detection
- > Reverse energy measurement
- > Configurable low credit alarm threshold
- > Operates in extreme supply conditions
- > Galvanically isolated
- > Communication status



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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%)	110VAC - 127VAC	220VAC - 230VAC
Supply frequency (±5%)	60Hz	50Hz
Rated Voltage	380V - 415V	

## 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 and 2 (maintained throughout life cycle of product)

## Over voltage rating

420VAC for 48 hours

## Short circuit rating

Short-circuit withstand 3.0kA

## Protection

Power overload	Thermal overload
Current overload	Phase imbalance
Over / under voltage	Galvanic isolation

## 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

Load / power status  
MCU / UIU communication  
Rate LED (1000 pulses / kWh)

## Installation

Footprint	BS7856
Insulation class	Double insulation

## Terminals

Type	Live	Neutral	Communication
Maximum size	Cage clamp 25mm <sup>2</sup>	Cage clamp 25mm <sup>2</sup>	Spring clamp 0.7mm <sup>2</sup>

## Security

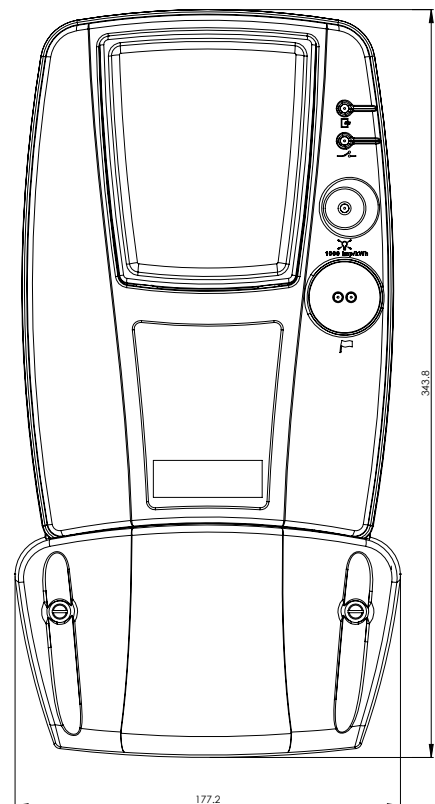
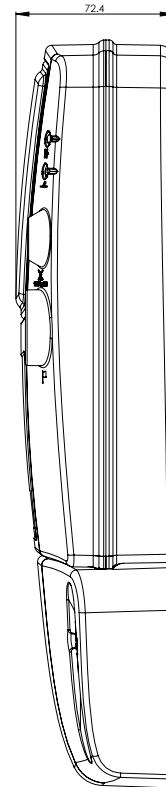
Meter housing	Security seals
Terminal cover	Serialised plastic security seals
Tamper protection	Tamper terminal cover Load disconnection on tamper detection No power tamper (optional)

## 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: 2007

## Packaging

Units per box	1
Box weight (incl box)	1.3kg



## Conlog

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