

Metering your three phase demand

wBEC62 range

Conlog's new BEC62 integrated wireless meter range provides the building block for a revolutionary new smart solution. These meters are packed with features to enhance customer satisfaction, whilst providing the valuable data needed by utilities worldwide. Added to this is the ability for the meter to operate as a prepayment or post-payment meter, depending on the utility's requirements. The greatest benefit and cost saving is that through the use of integrated radio frequency (RF), the meters are not subject to line interference and don't require the costly addition of filters, making this a simple, quick and cost effective solution for today and tomorrow.

The split configuration of the wBEC62 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. The new, No Power Tamper (Optional Advanced Tamper) detection capabilities detect tamper even in the absence of an incoming supply.



Enhanced security & protection features

Remote and manual disconnect/reconnect
> Detection of bypass and illegal connections
> Management of unpaid post paid accounts
> Activate and test meter disconnection device

Token Entry lockout
> Protection against fraudulent token attacks

Delayed reconnection
> In rush current protection of utility assets
> Protects appliances from surge due to load shedding

Features

- > 3 phase
- > Renewable energy management
- > Power overload protection
- > Current overload protection
- > Thermal overload protection
- > Configurable tamper detection
- > Pre-paid and post-paid mode
- > Under and over voltage protection
- > Reverse line/load protection
- > Emergency and lifeline support
- > Communication status LED
- > Phase unbalanced
- > Configurable low credit alarm threshold



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

110/120/127 VAC

Nominal voltage (-20% +1 5%)	110/120/127 VAC
Supply frequency (±5%)	60Hz
Base Current (I _b)	10A

220 VAC

Nominal voltage (-20% +1 5%)	220 VAC
Supply frequency (±5%)	50Hz
Base Current (I _b)	10A

230/240 VAC

Nominal voltage (-20% +1 5%)	230/240 VAC
Supply frequency (±5%)	50Hz
Base Current (I _b)	5A

Current ratings

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	

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 / wUIU communication status
Rate LED (1000 pulses / kWh)

Installation

Footprint	BS7856
Insulation class	Double insulation

Terminals

Type	Live	Neutral	Communication
Maximum size	Cage clamp 25mm ²	Cage clamp 25mm ²	Type B (USB)

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

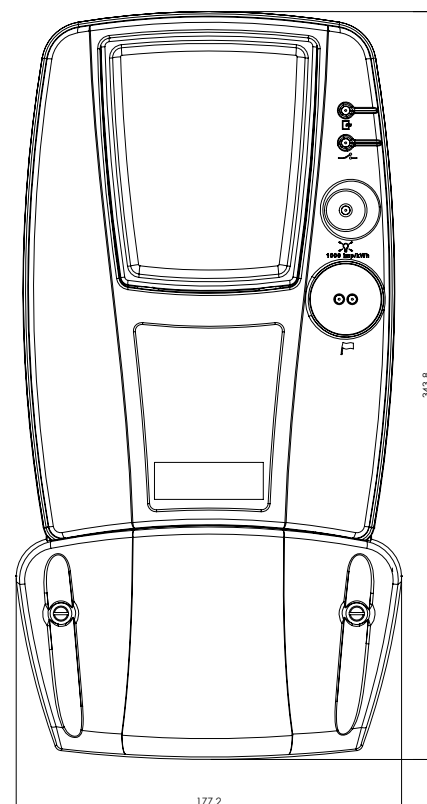
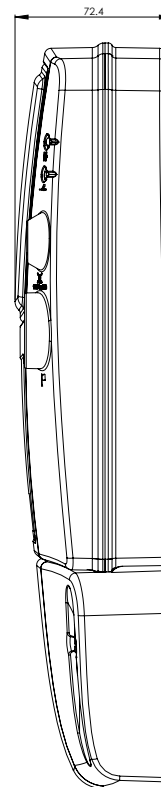
IEC 62051-1	SANS 1524-4	SANS 1524-1-1
IEC 62052-11	SANS 15417	SANS 1524-1-2
IEC 62053-21	STS 101-1	OHSAS 18001
IEC 62055-31	STS 201-15.1.0	ISO 14001
IEC 62055-41	DSP 34-749	ISO 9001
IEC 62055-51	DSP 34-1635	SANS 1524-1
IEC 62055-52	RES/RR/00/11740	IEC 62056-21
IEC 60950-1	ETSI EN 300 220-1	SANS 300 220-1

Packaging

Units per box

1

For further packaging information, kindly contact Conlog



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