

# Integrated metering

## BEC23(09) range

Conlog's BEC23(09) range of prepayment meters offer a cost effective method of metering loads up to a maximum of 80A. In addition, the meter consists of a two-part housing being a wallbase and the active meter. This configuration allows for the pre-installation of the wallbase and the ability to remove the meter for maintenance, without disconnecting the supply.



### Enhanced security & protection features

- Token Entry lockout
- > Protection against fraudulent token attacks

### Features

- > Active and reactive power measurement
- > Power factor measurement
- > Renewable energy management
- > Power overload protection
- > Current overload protection
- > Pre-paid and post-paid mode
- > Under and over voltage protection
- > Reverse line/load protection
- > Configurable tamper detection
- > Low base current measurement
- > Programmable overload
- > List of last 10 meter specific tokens
- > Common wallbase mounting
- > 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

## Voltage ratings

Nominal voltage (-20% +15%) 220VAC - 240VAC  
 Supply frequency (±2%) 50Hz

## Current ratings

Base current (I<sub>b</sub>) 5A  
 Max current (I<sub>max</sub>) 80A  
 Min starting current  
     Class 1 20mA  
     Class 2 25mA (Earth leakage only)  
 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 2.5kA

**Protection** Power overload Over / under voltage  
 Current overload Line / load reversal  
 Thermal

## Environmental

Operating temperature -10°C to +55°C  
 Storage temperature -25°C to +70°C  
 Humidity 95% non-condensing  
 IP rating PL - IP54 PE/PD - IP51  
 RF immunity 30V/m

**Status indicators** Rate LED (1000 pulses / kWh)

## Installation

Footprint Common wallbase  
 Insulation class Double insulation

## Terminals

Type

<b>Live</b> Bus bars	<b>Neutral</b> Bus bars
-------------------------	----------------------------

## Interrogation

Type

Type A (direct probe)

## Security

Meter housing Provision for lead seals or wire seals  
 Tamper protection Plastic seals  
 Load disconnection on tamper detection

## Standards

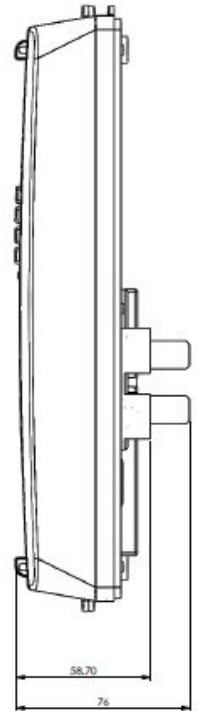
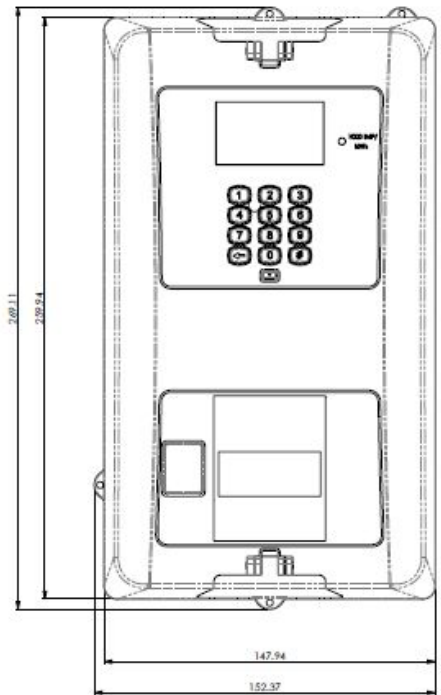
IEC 62051-1	SANS 1524-4	SANS 1524-1-1
IEC 62052-11	SANS 15417	SANS 1524-1-2
IEC 62053-21	STS 101-1	OHSAS 18001
IEC 62055-31	STS 201-15.1.0	ISO 14001
IEC 62055-41	DSP 34-749	ISO 9001
IEC 62055-51	DSP 34-1635	SANS 1524-1
IEC 62055-52	RES/RR/00/11740	

## Packaging

Units per carton  
 Carton weight (incl box)

<b>Wallbase</b>	<b>Meter</b>	<b>Meter and Wallbase</b>
10	5	5
4.2kg	3.9kg	8.7kg

For further packaging information, kindly contact Conlog



## Conlog

Conlog (Pty) Ltd  
 Reg. No. 1982/011895/07  
 P O Box 2332, Durban, 4000, South Africa  
 Tel +27 (31) 268-1111 Fax +27 (31) 268-1500  
 www.conlog.co.za  
 info@conlog.co.za