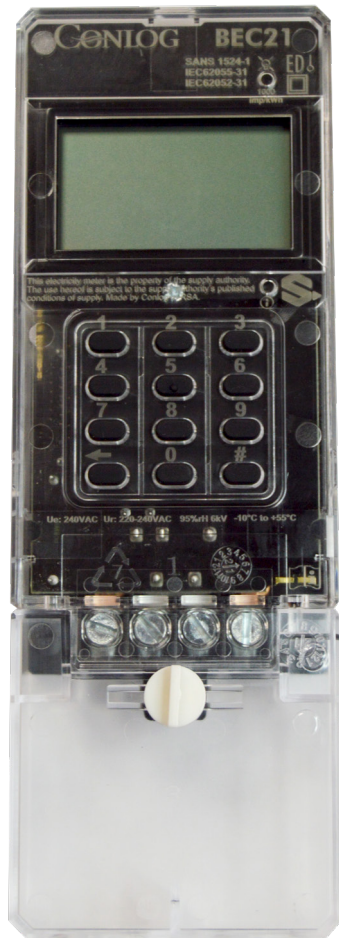


# Secure Integrated Metering BEC21

Conlog's BEC21 prepayment meter offers a simple and secure method of managing the electricity consumption of typical residential users. A bottom-entry wiring terminal with large cover ensures quick and easy installation, with no compromises to safety. The meter has an integrated keypad and large display, and can provide the user with both audible and visual feedback. Protection, integrity and security are achieved with the use of Conlog's Cryptovault technology, advanced tamper detection features, and an ultrasonically welded meter enclosure. The inclusion of Near Field Technology (NFC) enhances the user experience by offering a contactless method of transferring tokens.



## Features

- Advanced protection features (Power, voltage, current and thermal)
- Cryptovault technology
- SANS1524 Compliant
- STS Compliant
- Complies to all mandatory South African and International standards
- Pre-paid or smart post-paid mode
- Reverse line/load protection
- Advanced tamper detection
- Configurable audible and visual warnings
- Near Field Technology (NFC) Enabled



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% +±5%) 220VAC, 230VAC, 240VAC  
 Supply frequency (±5%) 50Hz/60Hz

## Current ratings

Base current (I<sub>b</sub>) 5A  
 Max current (I<sub>max</sub>) 60A  
 Min starting current  
     Class 1 20mA  
 Utilisation category UC2

## Nominal power consumption

2W/10VA

## Accuracy

Class 1 (maintained throughout life cycle of product)

## Over voltage rating

420VAC for 48 hours

## Short circuit rating

Short-circuit withstand 2.5 KVA

## Protection

Power overload Thermal overload  
 Current overload Line / load reversal  
 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

Credit Status LED  
 Rate LED (1000 pulses / kWh)  
 Buzzer

## Installation

Footprint 4 Terminal, bottom entry  
 Insulation class Double insulation

## Terminals

Type Cage clamp  
 Maximum size 16mm<sup>2</sup>

## Interrogation

Type Near Field Communication (NFC)

## Security

Meter housing Wire seals  
 Tamper protection Tamper terminal cover  
 Ultrasonically welded

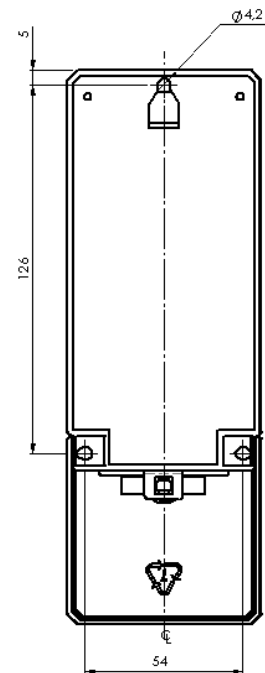
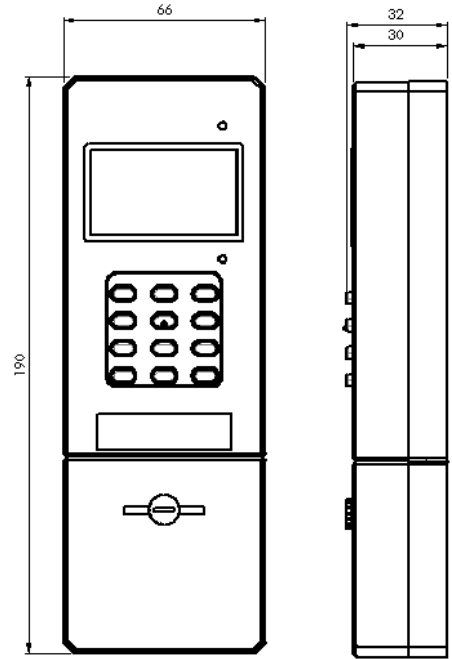
## Tested Standards

IEC 62052-11	IEC 62055-52
IEC 62053-21	IEC 62056-21
IEC 62055-21	SANS 1524-1
IEC 62055-31	SANS 15417
IEC 62055-41	ISO 9001:2008
IEC 62055-51	ISO 14001:2004

## Packaging

Units per carton 10 in box

For further packaging information, kindly contact Conlog



## Conlog

Conlog (Pty) Ltd  
 Reg. No. 1982/011895/07  
 PO Box 1563, Tongaat, 4400, South Africa  
 Tel +27 (31) 268-1111 Fax +27 (31) 268-1500  
 www.conlog.com  
 info@conlog.com