

# SECURE INTEGRATED METERING BEC21



0861 000 546 | [info@khanyisaprepaid.co.za](mailto:info@khanyisaprepaid.co.za)

[khanyisaprepaid.co.za](http://khanyisaprepaid.co.za)



## 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



**Prepaid sub-metering systems encourage responsible consumption.**

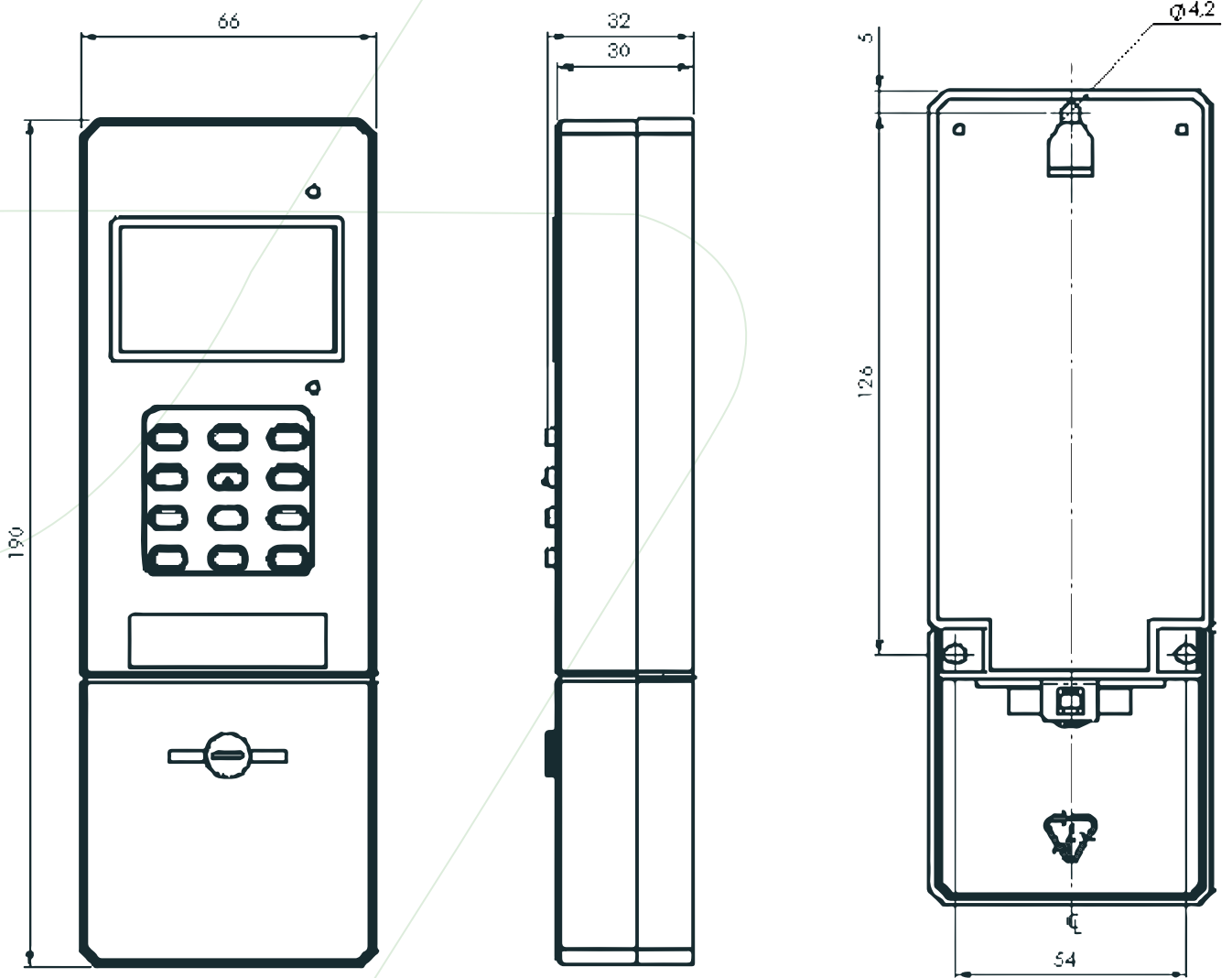
When individuals, businesses, and municipalities are more aware of their energy and water usage, they tend to use these resources more efficiently, resulting in reduced waste and a smaller environmental footprint.

## Product specifications

Voltage ratings	
Nominal voltage (-20% +±5%)	220VAC, 230VAC, 240VAC
Supply frequency (±5%)	50Hz/60Hz
Current ratings	
Base current (Ib)	5A
Max current (Imax)	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



## Dimensions





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