

# Digital Energy Meter

This energy meter has an improved dynamic range, allowing a basic current of 5 Amp while retaining a maximum current of 80 Amp, and extended functional features. Its compact, keypad-based design is housed in a standard housing, withstanding 30V/m RF immunity and an IP54 rating for harsh environments.



## ADDITIONAL IMAGES



## Overview

### Advanced Digital Energy Management

This digital energy meter provides precise electrical monitoring for residential, commercial, and industrial applications. It features STS encryption for secure prepaid transactions and supports multiple communication protocols including PLC, RF, and GPRS for seamless integration with AMR/AMI servers. Designed for reliability, the unit offers advanced load control, tamper detection, and comprehensive historical data access.

## Technical Specifications

### Rated Current

**5 A**

Base Current

**80 A**

Maximum Current

### Ingress Protection

IP54

### Voltage and Frequency

230V, 50/60Hz

### Accuracy Class

Class 1.0

## Compliance & Standards

### Regulatory Standards

- IEC 62056-21 (Data interrogation port)
- IEC 62053-21
- IEC 62053-11
- IEC 62052-11

## Features

### Operational Capabilities

- Prepaid and Credit modes
- Time of Use (TOU) multi-tariff
- Holiday settings
- Programmable load limit
- Low credit warning

### Security & Tamper Detection

STS Encryption, Cover Open Detection, Reversal Detection, Black-out Detection

### Communication Protocols

PLC, RF, GPRS