

**M320CTG**

## General Overview

M320CTG - Three-phase, low voltage 3x230(400)V, wall mounted electricity meter with advanced Automatic Meter Reading (AMR) and management features

The M320CTG measures active and reactive electricity energy consumption, transmits and receives data to/from the control center by cellular communication – GSM/GPRS.

M320CTG is capable of receiving data such as: Time Of Use (TOU) tables, power limit, real time clock.

M320CTG is capable of transmitting data such as: energy reading, status, TOU reading.

## Features:

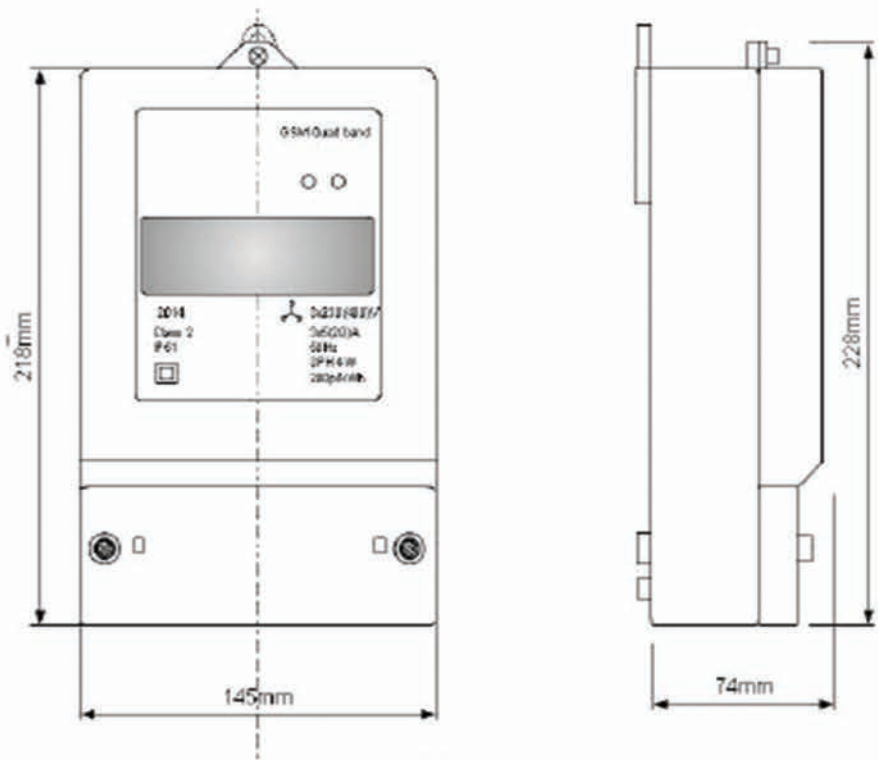
- IEC62053-21, Class 2 active energy (designed for Class 1), IEC62053-23 Class 2 reactive energy.
- 3x5(20)A, CT - Current Transformers connection meter.
- Measures and reports active and reactive energy in each phase separately.
- Measures and reports voltage level on each phase.
- Calculates consumption in accordance with Time Of Use (TOU) tariff table.
- Cellular communication networks – Quad band GSM 850/900/1800/1900 MHz.
- Reports data and status via cellular network, periodically and upon request.
- Email reports to any programmed mailbox address.
- Real time recovery synchronization from cellular network.
- 2 line 16 characters large LCD Display.
- LED consumption indication – 200 pulses/kWh.
- Automatic calibration (NO physical adjustment).
- Non volatile back-up memory.
- Directly energized by power lines.
- Simple and fast installation.
- 4 Quadrant (Bidirectional Active & Reverse Energy).



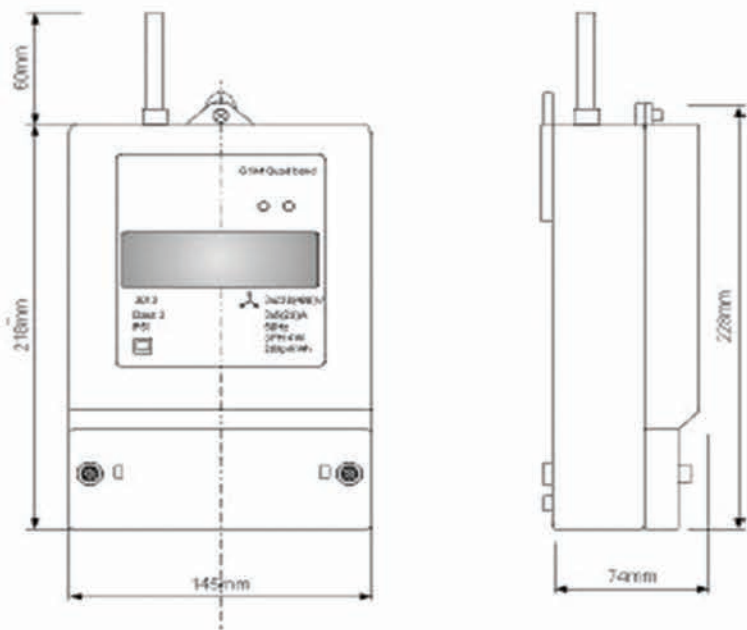
## Technical Specifications

General	
Nominal Voltage (Un)	3 x 230(400) VAC
Supply Voltage range	80% - 115% Un
Nominal Frequency (fn)	50Hz
System connections	3 phase 4 wire
Consumption at Un	5 W – 4.1 Var (Capacitive)
Measurement	
Class Index	
Active energy acc. to IEC62053-21	Class 2 (designed for Class 1)
Reactive energy acc. to IEC62053-23	Class 2
Basic Current (Ib)	3x5A
Maximum continuous current (Imax)	3x20A
Environmental	
Temperature range	
operation	-10°C to 55°C
storage	-25°C to 70°C
Insulation Strength	
Protective Class acc. to IEC62052-11	Class II
Display	
Type	LCD
Format	16 Characters x 2 Lines
Character size	9.55mm x 5.2mm
LED Indicator	
Flash rate	200 imp/kWh
Communication Interfaces	
Cellular communication network	GSM 850/900/1800/1900 MHz
Case /External Dimensions	
Weight	1300 g
Width	145 mm
Height	228 mm
Depth	74 mm
Protection rating according IEC60529	IP51

# Technical Specifications



Option: Bulk Meter With external antenna



M320CTG Dimensions

# Connection Diagram

