



## SINGLE PHASE ELECTRONIC ENERGY METER WITH NEUTRAL CURRENT MEASUREMENT

## **Metering Function:**

- Active energy & demand register
- Up to 12 month's history energy and demand data
- Penalty (Imax) register & Neutral measurement

#### **Instantaneous Parameter Measurements:**

- Voltage, current, frequency, power factor and power

#### **Load Profile:**

- Interval is 30 minutes & capacity is more than 1 year

#### **LCD Display:**

- LCD display main value with 7 digits
- LCD dimension: 78mm × 32mm
- Digit size: 18mm ×8mm (Large Display)
- Power Down mode display (backup by internal battery)
- LCD is equipped with backlight

#### **Anti Tamper Features:**

- Ultrasonic welding for meter housing
- Breakable sealing screw for meter cover
- Security sticker at both side of the meter
- Indication on LCD for any abnormal events status
- The meter will record penalty energy in case of Neutral disturbance & Magnetic interference
- The meter will continue to measure in case of the voltage is not present, but current is present.

### **Communication Port:**

- Optical communication port
- RS485 port



**ACCURACY CLASS 1.0** 

## **WS72**

# SINGLE PHASE ELECTRONIC ENERGY METER WITH NEUTRAL CURRENT MEASUREMENT FUNCTION



#### **Main Parameters**

Accuracy Class Active Class 1.0
Rated Voltage 240 V
Rated Current (max) 10 (100) A
Frequency 50 Hz

Static Power Consumption < 2 W, 10 VA

Class of Insu<mark>la</mark>tion II
Degree of Protection IP54

Communication Interface Optical & RS485 port

#### **Extra Parameters**

Load Profiling

Tm = 30 min, memory capacity is more than 1 year

Demand

Max Demand function including for Forwarded Register

## Display

CD 7 digits (in Dial Test mode, display energy value with 3 decimals)
Digits Size 18mm x 8mm

## Extra Tamper Detection

- Missing Neutral
- Neutral Disturbance
- Current Bypass
- Magnetic Interference

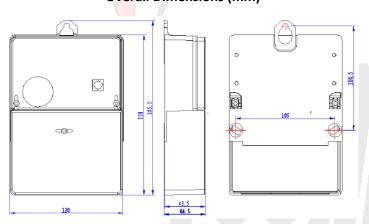
## Optical Test & Function Indicator

Meter constant for LED 1000 imp/kWh
Meter constant for Output Pulse Configurable

#### **Dimensions**

Dimension Length x Width x Height = 185.5mm x 120mm x 44.5mm approx 0.6 kg

## **Overall Dimensions (mm)**



## **Connection Diagram**

