

**Metering Function:**

- Active energy & demand register
- Up to 12 month's history energy and demand data
- Penalty (I<sub>max</sub>) 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 Insulation	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

LCD	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
Weight	approx 0.6 kg

Overall Dimensions (mm)

Connection Diagram

