
ENERGY METER

Model WH1

FEATURES

- Measures kW, kWh
- Available for single phase applications
- Package includes split-core current transformers (50A, 100A, 200A)
- Measured parameters are transmitted to central station via power line carrier
- ANSI C12 and C37 standards
- Designed for UL & CUL Listing
- High Accuracy
- Five-Year Warranty
- Non-volatile memory
- Simple installation; mounts in distribution panel: no boxes to mount, conduit to install or external wiring runs

DESCRIPTION

The Model WH1 is a reduced-size, microprocessor-based energy meter designed with a wide array of features normally found only on much larger units. Used for stand alone applications, the WH1 can be easily installed in a distribution panel. Split-core current transformers minimize installation time and costs. This new meter is ideal for tenant monitoring applications in residential buildings, commercial buildings, shopping malls, airports, marinas and any other application requiring multiple point monitoring of energy consumption.

INPUT

VOLTAGE: Nominal +10% -20%, 60Hz, 5 Watts
Nominal: 208-240Vac (Line-Line)
Installation Overvoltage Category II,
Pollution Degree 2

POWER FACTOR: Any

ACCURACY: $\pm 0.25\%$ F.S.

BURDEN:

Voltage: 4.3VA Phase L1/L2
Current: 0.4VA Max Per Phase

ENVIRONMENTAL

Use: Indoor use only

Temperature Effects:

(-10°C to 50°C) $\pm 0.1\%$ F.S./°C

Altitude: 2000 m Maximum

Humidity: Max. rel. humidity 80% up to 31°C
decreasing linearly to 50% at 40°C

OUTPUT

COMMUNICATIONS: Power line carrier to
central station

CENTRAL STATION

Telephone modem 9600 baud

APPLICABLE STANDARDS

ANSI C12.16 for Solid State Electrical Meters

ANSI/IEEE C37.90 1-1989 Oscillatory and

Fast Transient Waveforms