



T-WNB-3D-480 Sensor

WattNode 480 VAC 3-phase Delta/Wye kWh Transducer Sensor

The WattNode provides accurate measurement at low cost to meet your needs for sub-metering, net-metering, energy management, and performance contracting applications. This WattNode Delta or Wye-connection kWh Transducer works with Magnelab AC Current Transformers and a Pulse Input Adapter to provide True RMS kilowatt hours of energy used, even for loads with non-sinusoidal waveforms. Because these sensors tie directly into the line, they should be used only by qualified personnel. This model supports a 3-phase Delta-connection of 480 VAC.



Supported Measurements:

Kilowatt Hours (kWh)

Key Advantages:

- Measures 1, 2, or 3 phases in 2, 3, or 4 wire configurations.
- Use with wide choice of CTs (sold separately), ratings from 5 to 1500 amps.
- Accurate measurement of 1-, 2-, or 3-phase configurations.
- Easy to install and wire.
- Pulse output - Compatible with pulse input logger models.
- Small size - Can be installed in existing service panels or junction boxes.
- Diagnostic LEDs – Confirms proper installation for all phases.
- Bidirectional metering – Net metering for PV (photovoltaic) solar and wind power generation with only one meter.
- Metering of variable frequency drives.
- Line powered - No external supply required.
- Detachable terminal blocks - Easy to install and remove.
- UL, cUL Listed - Designed and tested for safety and use throughout North America.
- CE Mark – Can be installed throughout the EU.

T-WNB-3D-480 Sensor Specifications

Operating: voltage range: $\pm 20\%$ of nominal

Frequency: 60 Hz

CT input: 0-0.5 VAC operating, 3 VAC maximum

Connectors: UL, CSA recognized, detachable screw terminals (14 AWG), 600V

Operating temp range: -30 to 60°C (-22 to 140°F)

Operating humidity range: 0 to 90% RH, non-condensing

Dimensions: 8.5 cm x 14.3 cm x 3.8 cm (3.3 in. x 5.6 in. x 1.5 in.)

Weight: 295 g (10.4 oz.)

Number of data channels: 2

To download the manual from Continental Control Systems LLC [click here](#).

[Click here](#) to view a typical installation

Delta or Wye configuration ranges: 480 Volts AC

3 Phase 3 Wire (No neutral)

3 Phase 4 Wire

Accuracy: $\pm 0.45\%$ of reading + 0.05% FS through 25th harmonic

(dependent on CT used and line variation accuracy could be 1.5% to 4% of reading)