



## T-WNB-3Y-208 Sensor

### WattNode 208/240 VAC 1,2, or 3 Phase 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 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 1,2, or 3-phase wye-connection of 208/240 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-3Y-208 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

**Wye configuration ranges:** 120, 208, 240 Volts AC

- 1 Phase 2 Wire 120V (with neutral)

- 1 Phase 3 Wire 120V/240V

- 3 Phase 4 Wire 120V/208V

**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)