T-VER-8044-100 Sensor

Veris 480 V, 100 Amp Kilowatt Transducer Sensor

The Veris AC Kilowatt Transducer incorporates three split-core AC current sensors and three voltage leads and outputs a signal proportional to kilowatts of power (demand). Accepting an input primary voltage of 480 Volts AC rms, this transducer requires a FlexSmart Analog Module. Because these sensors tie directly into the line, they should be used only by qualified personnel. NOTE: Not recommended for use with variable frequency drives.

Requires analog port selection during U30 system configuration and use of a S-FS-CVIA when using the H22-001 data logger. When using a U12 data logger, this sensor requires a 4-20mA input cable (CABLE-4-20mA) and external power provided by an AC adapter (AC-SENS-1).

Supported Measurements:

Kilowatts (kW)

Key Advantages:

- Split-core installation eliminates the need to remove conductors
- Self-contained 0 to 100 AMP current transducer for 1- or 3-phase power monitoring
- Precision meter electronics

T-VER-8044-100 Sensor Specifications

Includes: 3 100 Amp Split-Core Current Transformers (CT)
Input primary voltage: 480 Volts AC rms
Accuracy: ±1% per ANSI (C12.1) (from 10 to 100% of CT rating)
Number of phases monitored: 3
Frequency: 50/60 Hz
Internal isolation: 2000 VAC rms
Insulation class: 600 VAC rms
Operating temp range: 0 to 60°C (32° to 140°F)
Operating humidity range: 0 to 95% RH, non-condensing
Output signal to FlexSmart: 4-20mA
Supply powered (current loop): 9-30 VDC, 30mA max
Current transformer: 100 Amp AC
3.8cm x 3.2cm (1.5 in. x 1.25 in.)
Dimensions of each CT: 10.7cm x 12.1cm x 2.9cm (4.2 in. x 4.75 in. x 1.13 in.)
Number of data channels: 1

To download the manual from Veris click here.