

NEW

PRELIMINARY ONLY POWERLESS™

C.T./P.T. A. C. Signal Powered
4-20mA Transmitter of V, A, W & Hz
 (Patent #'s 7,626,378; 4,908,569 & Pending)

MODEL
ACS-W

FEATURES:

- Powered By Your **P.T.** or **C.T.!**
- No Power Supply Required
- Bright 4 Digit LED Display
- Only 2 Wires to Connect
- No H.V. or H.I. to Your Panel
- Isolated 4-20mA Out
- Isolated by Your **C.T.** or **P.T.**
- PLC, **OTEK's** Loop Powered Products Compatible
- NEMA 4X Rated Housing
- Panel, Wall, Pipe Mounting



Effective 12-14-11

SPECIFICATIONS (See Range Note):

- Conversion Method: True RMS-DC
- Accuracy & Linearity: $\pm 0.1\%$ of F.S.
- Isolation: 500 VRMS
- Input Range: VAC: 50-130VAC/40-440Hz
AAC: 0.5 - 5 AAC
- Over Range Protection: 150% of Range
- Min.-Max. Load: 0-500 Ohms
- Case: NEMA 4X, 1 ea. 1/2" NPT Port
- Op./St. Temp: -10 + 70°C/-20 + 80°C
- CMTBF: $\geq 100K$ Hours
- Warranty: Life Time (Ltd.)

Powered Model: CTT

Model: ACS-W

INPUT TYPE/RANGE & 4-20mA OUT	
\$250...V....(30-150).....	Volts
\$250...A....(0.3-5).....	Amps
\$250...H....(40-440).....	Frequency
\$300...W....(Same as V & A).....	Watts
CF..... 9.....	Custom (Consult Factory)

RANGE/CALIBRATION

0.....	STANDARD (see Text)....NC
9.....	CUSTOM....CF

Ranges (Calibration): VAC: 30-150; AAC: 0.5-5; HZ: 40-440; WAC: 30-150VAC & 0.30-5 AAC (Decimal points are selectable)

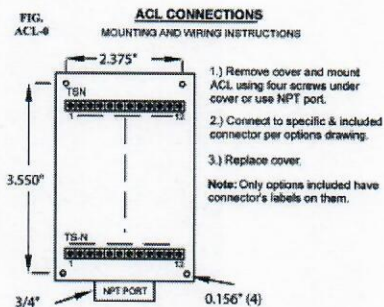
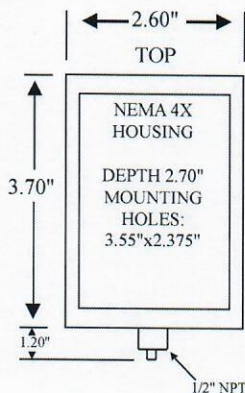
DESCRIPTION:

The World's Largest Manufacturer of Current Loop Products and inventor of Loop Powered Meters, Transmitters and Controllers brings you its new "**ACS-W**" Series based on its patents #4,908,569; 6,285,094 and other patents pending.

The **ACS-W** Series consists of dual RMS-DC converters and a 4-20mA transmitter along with either Hz to VDC, VAC-VDC, AAC-VDC or W-VDC converters. All powered by **OTEK's** exclusive VAC (from your potential transformer) to DC converter and/or Amps AC (from your current transformer (C.T.)). With the new **ACS-W** all you need to do is bring **2 wires** from your power line/load to your panel saving you thousands of dollars on H.V. conduit and safety certifications. The universally accepted **Current Loop** data process transmission means that you can remotely monitor and control generators, motors, loads, power factor, transmission lines and other critical power related data, without the hazard inherent of high voltage and current wiring.

Range: Because the **ACS-W** can not transmit if the C. T. is off (just like analog meters), the minimum current at the output of the C.T. required to transmit is ~0.5A, which equates to ~5.62mA (IOW: No output for C.T. output <0.4A. Consequently, if your C.T. is 100:5 (100 amp primary and 5 amp secondary) your system needs to consume ~10 amps to produce ~0.5A and transmit ~ 5.62mA. Anything under this range is undetermined. Contact **OTEK** for externally **Loop Powered** models.

MECHANICALS



For Wiring

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