

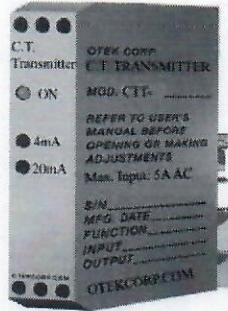
NEW

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

MODEL
ACS-V

FEATURES:

- Powered By Your C.T. or P.T.
- No External Power Supply Required
- 0.5A to 5 Range
- 4-20mA Out
- ≤ 100 Ohm Load (C.T. Powered)
- ≤ 750 Ohm Load (Ext. Powered)
- Nuclear, Mil-Spec & Industrial Grades
- Safe (Low Voltage) Transmission
- No Conduit Required
- Contact OTEK for V, HZ & W Functions



Effective 12-14-11

SPECIFICATIONS (See Range Note)

- Input Range: C. T. Powered 0.5 - 5A AC;
- Input Range: P.T. Powered: 50-150VAC; 40-400 Hz.
- Min.-Max. Current: 0.3 - 7.5 Amps
- Min-Max Frequency: 40-440 Hz
- Accuracy & Linearity: ± 0.5% F.S.
- Isolation: 500 VRMS
- Conversion: True RMS
- Min.-Max. Load: 0-500
- Op/St Temperature: -20 + 70/-30 + 80°C
- CMBTF: ≥ 100K Hours
- Warranty: Lifetime (LTD)

Model: ACS-V 1 2

INPUT TYPE/RANGE & 4-20mA OUT

\$200....V....(30-150).....	Volts
\$200....A....(0.3-5).....	Amps
\$200....H....(40-440).....	Frequency
\$250....W....(Same as V & A).....	Watts
CF.....9.....	Custom (Consult Factory)

RANGE/CALIBRATION

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

Powered Model: C.T.T.

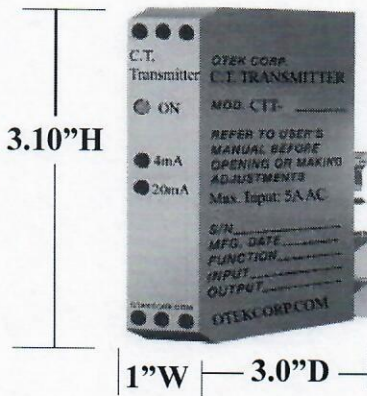
Range: 0.5-5AAC=6.25-20mA

DESCRIPTION: OTEK's new **ACS-V** is a variation of the company's recently introduced **CTT** Series (patent pending) that brought you the World's First Truly C.T. (**C**urrent **T**ransformer) powered instruments to monitor or control A.C. variables (V, A, W & Hz).

Now **OTEK** brings you complete freedom and savings. The **ACS-V** is 100% powered by your onsite 5 Amp **C.T.**. Just connect your **C.T.** output to the **ACS-V** your current loop load and eliminate the power supply & wires. The convenient screw terminal connectors (26-14 Ga) on the front, allows for quick installation.

Range: Because the **ACS-V** 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



TYPICAL CONNECTIONS

- 1: +/Hi Signal Input From C.T.
 - 2: -/Lo Signal Input From C.T.
 - 3: + Loop Output (V + in)
 - 4: - Loop Output (+L out)
- ()=Externally Powered

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