TO BE DISCONTINUED 12/2016. FOR REPLACEMENT MODEL, CLICK HERE: NTM-3

NEW

TRIPLE A. C. POWERLESS™ PANEL METER FOR AC VOLTS, AMPS, WATTS & Hz,1Phase-or-3Phase, DELTA or WY

MODEL TAC

FEATURES:

- Triple 0.6" & 0.8" Display
- Colors: Blue (Top), Red (Middle), Amber (Bottom)
- 50' Readable
- 3 Independent Isolated A/D
- Nuclear, Mil & Industrial
- Plastic or Metal Case
- No Power Supply Needed
- Connects Like Analog, But It's Digital!
- Life Time Warranted

ANSI 4" Switchboard (Nothing Behind Panel)

SPECIFICATIONS @ 25ºC AND INPUT RANGE:

*Accuracy & Linearity: ± 0.1% of F.S.
*Input Range (V, Hz & W): 40-150VAC
*Input Range Amps: 0.1 to 5A (10A Spike Max.)
*Power Consumption: 50mW (Typical) per channel
*Zero/Span Adjustment: ± 30% of F.S.
*Operating Temp: -10 + 70ºC
*Storage Temp: -30 + 80ºC
*Measuring Method: True RMS Calibrated
*Humidity: 5-95% RH, N.C.
*CMTBF: >100,000 Hours
*Connector: Plug-In Screw Terminal
*Display: 3 Ea. 3 1/2 Digit (1.9.9.9)
*3 Samples Per Second

DESCRIPTION

OTEK has taken its **ACS** Series and by popular demand combined 3 out of 4 **A.C.** variables in one case. The **TAC** (**T**riple **A**.**C**. Signal Powered) Series is available in either plastic or metal **ANSI 4"** (Switchboard). The TAC has no depth behind the panel (only 1 1/2" on the front). The **TAC** displays any 3 AC Variables such as V, A&W, or V, A & Hz single phase or V/A/W 3 phase delta or WY on its large 3 1/2 digit display behind the NEMA 4X filter. The Patented (#4,908,569) and Patent Pending Technology allows the **TAC** to power itself directly from the signal it measures either directly or through a P.T. & C.T. without affecting their integrity.
Single Phase: Monitor with one small instrument any 3 out of 4 variables (See Ordering Information).
Three (3) Phase: You have a choice of 3 each single phase "**TACs**" (one for each phase) or one "**TAC**" for **VOLTS** (Phases A, B & C) one for **AMPS**, one for **WATTS** and one for **HERTZ**. Contact **OTEK** for your custom configuration.

IMPORTANT NOTES:

Just like analog meters, if the signal is too small, the **TAC** will not function but it does not mean there is no power.
Always use ***CAUTION*** when connecting/disconnecting the **TAC** from the mains or **PT/CT**.
There is **NO** internal isolation from **V** & **A** when using **Watts** function. Always use a C.T. and P.T.

OTHER RELATED MODELS:

ACS: AC Signal Powered Bargraph's & DPM's
CTT: C.T. Powered 4-20mA Transmitter
TAD: AC Signal Powered in 1/4 DIN case

If You Don't See It Ask For It!

520-748-7900
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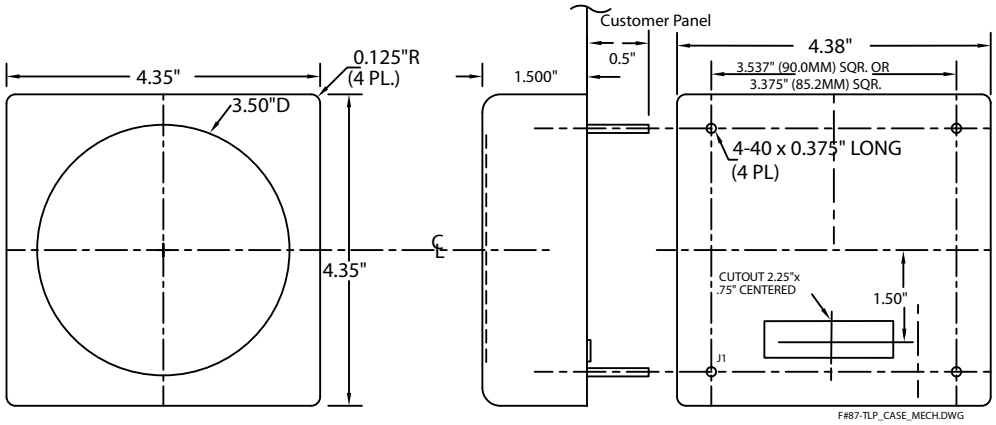
http://www.otekcorp.com

OTEK™ CORP.
SINCE 1974

4016 E. TENNESSEE ST.
TUCSON, AZ. 85714 U.S.A.
MADE IN USA

TAC MECHANICAL FOR SWITCHBOARD (OPTIONS 0, 1, 4 & 5)



NOTE:
1. ANSI 4"(3.375") CASE CAN ALSO BE MOUNTED IN 1/4 DIN PANEL CUTOUT.
2.CONNECTORS AND 3.375" STUDS SPACING MEET ANSI39.1 STANDARD FOR SWITCHBOARD METERS. J1 FALLS WITHIN EXISTING 4" DIA. "BARREL" CUTOUT.

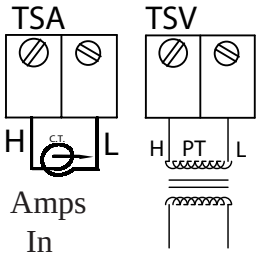
Note:
1. TS1 & TS2 connectors and 3.375" studs spacing meet ANSI 39.1 standard for switch board meters. TS1 & TS2 fall within existing "Barrel" cutout. Connectors accept 16-26 Ga wire.

TYPICAL CONNECTIONS SWITCHBOARD (OPTIONS 0, 1, 4 & 5)

***WARNING:* H.V. MIGHT BE PRESENT! USE 10A S.B. with Amps & 1A with Volts**

(1 Phase, V, A, W or Hz)

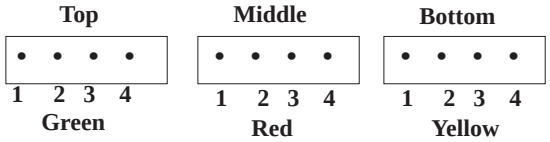
Options 0-3



Amps In

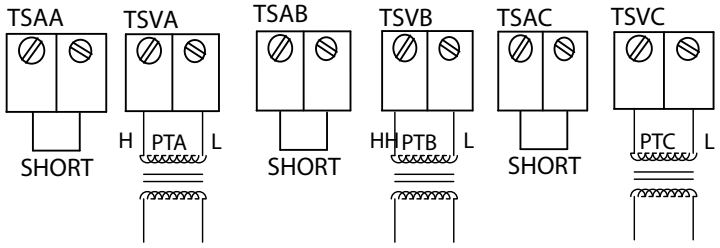
Volts In

DECIMAL POINT SELECTION
Remove Power

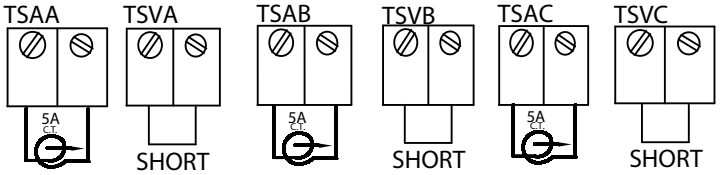


D.P.
xxxx - None
x.xxx - 3 & 4
xx.xx - 1 & 2
xxx.x - 1 & 2 and 3 & 4

OPTION 4 OR 7 (3 PHASE VOLTS OR Hz)



OPTION 5 (3 PHASE AMPS)



TAC SERIES ORDERING INFORMATION 3-26-13

Model: TAC- 1 2 3 – 4 5

GRADE (1)
- I ..... Industrial
- M.....Mil-Spec (Contact OTEK)
- N.....Nuclear (Contact OTEK)

INPUTS DISPLAYED (2,5)
- 0.....V (Top) W (Center), A (Bottom)1Phase
- 1.....V (Top), A (Center), Hz (Bottom)1Phase
- 2.....V (Top), W (Center), Hz (Bottom)1Phase
- 3.....A (Top), W (Center), Hz (Bottom)1Phase
- 4.....V Phase A (Top), V Phase B (Center), V Phase C (Bottom)3Phase
- 5.....A Pahse A (Top), A Phase B (Center), A Phase C (Bottom)3Phase
- 6....W Phase A (Top), W Phase B (Center), W Phase C (Bottom)3Phase
- 7.....Hz Phase A (Top), Hz Phase B (Center), Hz Phase C (Bottom)
- 9.....Custom (Contact OTEK)

CASE TYPE (3)
- 0.....Switchboard Plastic
- 1.....Custom Switchboard Metal
- 4..... Sanitary
- 5.....Explosion Proof
- 9.....Custom (Contact OTEK)

SCALE PLATE (4)
- 0..... Standard (V,W,A)
- 9.....Custom (Contact OTEK)

RANGE/CALIBRATION
- 0..... Standard (V,W,A)
- 9.....Custom (Contact OTEK)

NOTES:
1. **N** to 10CFR50B, **M** to your Mil-Specs, **I** to data sheet specifications. Otek will build to certain nuclear or MIL-standards but testing and confirmation of compliance, if required, will need to be done by a third party and at customer's expense.
2. Standard full scale inputs are: 50-120VAC, 0.1 to 5 Amps (specify Amps calibration, ie: 5A = 1000 Counts),40-70 Hertz (100Hz = 100.0 Counts). For 400Hz (400Hz = 400 Counts) use option 9 and specify. For custom, use #9 and specify.
3. For "M" grade, metal case must be ordered.
4. Standard filter printing is shown on data sheet. For custom, use option 9 and specify.
5. Warning: Option 6 is not isolated between channels but NOT between the input and within its terminals.

***DOWNLOADS:* For manuals, user-software or drivers:**

www.otekcorp.com