

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 Is Digital!
- Life Time Warranted



ANSI 4" Switchboard
(Nothing Behind Panel)

SPECIFICATIONS @ 25°C AND INPUT RANGE:

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

DESCRIPTION

OTEK has taken its **ACS** Series and by popular demand combined 3 out of 4 **A.C.** variables in one case. The **TAC** (**Triple 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:

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

**If You Don't See It
Ask For It!**



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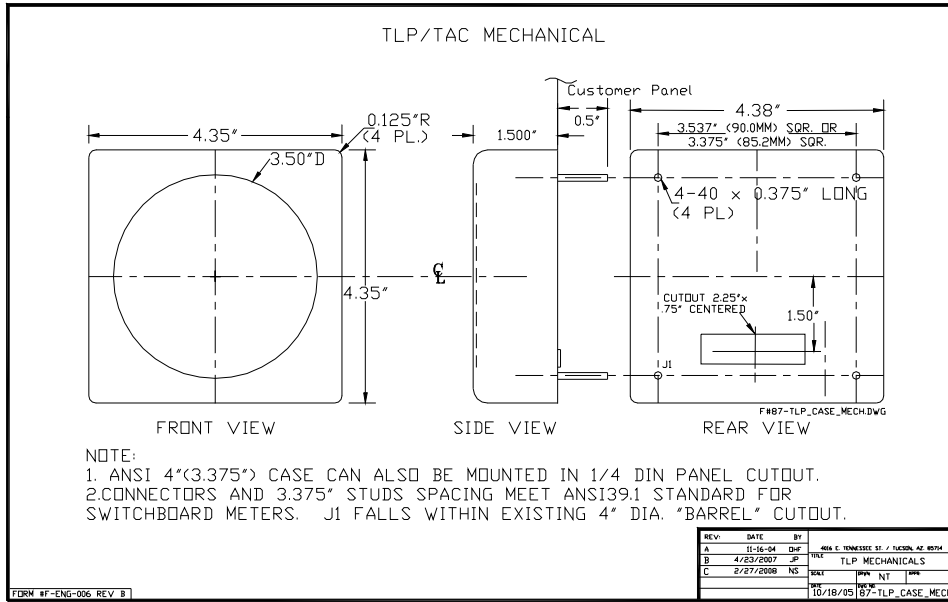
OTEK™
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SINCE 1974

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MADE
IN
USA



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

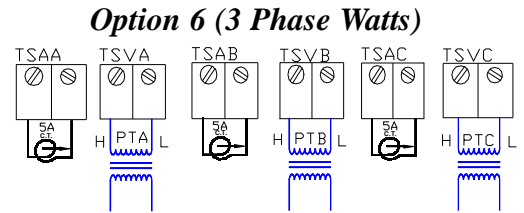
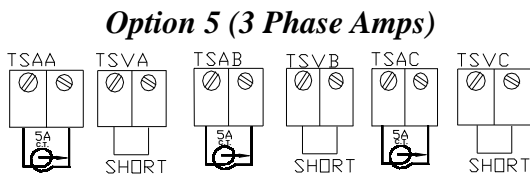
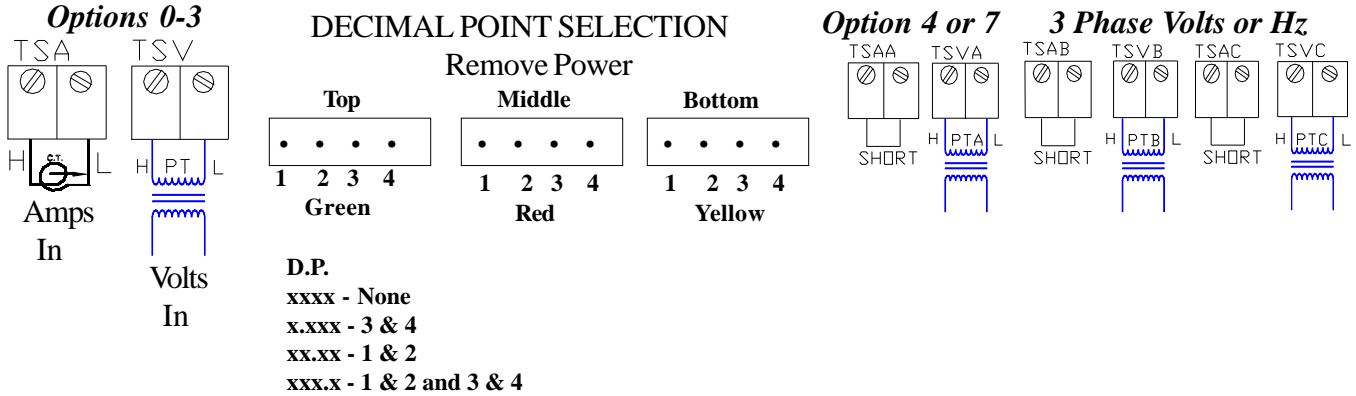


Note:
 1. TS1 & TS2 connectors and 3.375" studs spacing meet ANSI 39.1 standard for switch board meters. TS1 & TS2 fall within existing "Barrel" cutout. Connectors accept 16-26 Ga wire.

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)



TAC SERIES

ORDERING INFORMATION 6-11-09

Model: TAC-

GRADE (1)

IIndustrial
M Mil-Spec
N.....Nuclear (Contact Otek)

INPUTS DISPLAYED (2)

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 Phase 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 (Middle), Hz Phase C (Bottom)
9.....Custom (Specify)

RANGE/CALIBRATION

0Standard (V,W,A)
9 Custom (Specify)

SCALE PLATE(4)

0Standard (V,W,A)
9 Custom (Specify)

CASE TYPE (3)

0 Switchboard Plastic
1 Custom Switchboard Metal
4Sanitary
5Explosion Proof
9 Custom (Specify)

NOTES:

1. N to 10CFR50B, M to your Mil-Specs, I to these specifications. Otek will build to certain 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 #9 and specify. For custom, use #9 and specify.
3. For "M" Grade, Metal Case must be ordered.
4. Standard filter printing as shown. For custom, use #9 and specify.