

NEW

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

**MODEL
TAD**

FEATURES:

- Triple 0.6" 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!
- Peak and Hold on each Channel
- Life Time Warranted



1/4 DIN CASE

SPECIFICATIONS @ 25°C AND INPUT RANGE:

- *Accuracy & Linearity: $\pm 0.1\%$ 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: $\pm 30\%$ of F.S.
- *Operating Temp: -10 + 70°C
- *Storage Temp: -30 + 80°C

- *Measuring Method: True RMS Calibrated
- *Humidity: 5-95% RH, N.C.
- *CMTBF: >100,000 Hours
- *Connector: Plug-In Screw Terminal
- *Display: 2 Ea. 3 1/2 Digit (1.9.9.9) 4 1/2 Digits (1.9.9.9.9)
- *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 **TAD** (**Triple A. C. Signal Powered Display**) Series is available in either plastic or metal 1/4 DIN cases. The **TAD** 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 display behind the NEMA 4X filter. The Patented (#4,908,569) and Patent Pending Technology allows the **TAD** 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 "**TADs**" (one for each phase) or one "**TAD**" 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 **TAD** will not function but it does not mean there is no power. Always use **CAUTION** when connecting/disconnecting the **TAD** 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
- TAC:** Same as TAD, in Switchboard case

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



520-748-7900

FAX: 520-790-2808
E-MAIL: sales@otekcorp.com
http://www.otekcorp.com

OTEK™
CORP.
SINCE 1974

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

MADE
IN
USA



TAD SERIES

ORDERING INFORMATION 6-11-09

Model: TAD-

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∅A (Top), V∅B (Center), V∅C (Bottom)3Phase
 5 A∅A (Top), A∅B (Center), A∅C (Bottom)3Phase
 6 . W∅A (Top), W∅B (Center), W∅C (Bottom)3Phase
 7 Hz∅A (Top), Hz∅B (Middle), Hz∅C (Bottom)
 9 Custom (Specify)

RANGE/CALIBRATION
 0 Standard (V,W,A)
 9 Custom (Specify)

SCALE PLATE(4)
 0 Standard (V,W,A)
 9 Custom (Specify)

CASE TYPE (3)
 0 1/4 DIN Plastic
 1 Custom 1/4 DIN Metal
 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.

MECHANICAL INFORMATION

