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

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^{0}C 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 + 70^{0}C
*Storage Temp: -30 + 80^{0}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** (**T**riple **A**.**C**. Signal Powered **D**isplay) 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
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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

TAD SERIES

ORDERING INFORMATION 3-20-13

Model: TAD- 1 2 3 4 5

GRADE (1)
- I.....Industrial
- M.....Mil-Spec
- 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∅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 (Center), Hz∅C (Bottom)
- 9.....Custom (Contact Otek)

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

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

CASE TYPE (3)
- 0.....1/4 DIN Plastic
- 1.....Custom 1/4 DIN Metal
- 9..... Custom (Contact Otek)

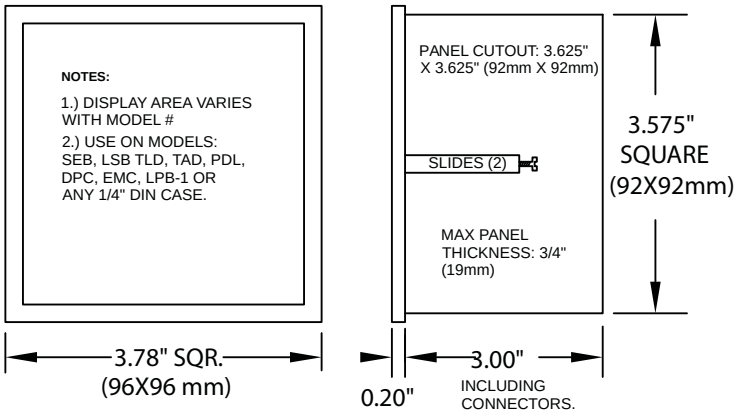
NOTES:
1. **N** to 10CFR50B, **M** to your Mil-Specs, **I** to data sheet specifications. Otek will build to certain nuclear or MIL-standards but testing and confirmation of compliance, if required, will need to be done by a third party and at customer's expense.
2. Standard full scale inputs are: 50-120VAC, 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 #9 and specify. For custom, use option 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 isolated between channels but NOT between the input and within its terminals. See data sheet for more information.

DOWNLOADS:
For manuals, user-software or drivers:
www.otekcorp.com

MECHANICAL INFORMATION

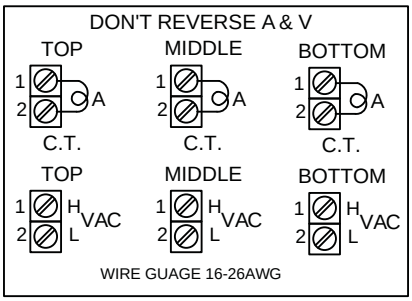
STANDARD 1/4" DIN CASE & PANEL CUTOUT

FIG. DIN-CSE



MOD. TAD TYPICAL CONNECTIONS

FIG. TAD



NOTES: 1.) USE 10A FUSE FOR AMPS & 1A FOR VOLTS.
2.) USE 5A.C.T. &120V P.T.
3.) SHOWN FOR 3 Φ, FOR 1 Φ ONLY THE "MIDDLE" CONNECTORS ARE INCLUDED.