



## TA-902 SERIES ANGLE POSITION INDICATOR

- Resolution of 0.1 degree's
- Accuracy to 0.03 degree's (2.3 arc min)
- Accepts ARINC 407 Synchro/Resolver Inputs
- Wide band reference 300 – 2500 Hz
- Zero offset adjust
- Built In Test Feature (BIT)
- Powered by Reference Supply
- Employs TYPE II Tracking Servo Loop
- Panel Cutout: 3.78" W x 1.87" H x 7.62" D (Standard 1/8 DIN Enclosure)
- Rear Panel Interface Connector is Standard D-Sub 37 Pin
- Sized to **DIRECTLY REPLACE OTHER SIMILAR MODELS**
- **DESIGNED FOR COMMERCIAL AND GENERAL AVIATION**

### *Part Number Differences:*

*TA-902 26v/400hz, Scaled for 11.8v L-L Inputs (Std)*

*TA-902-01 115v/400hz, Scaled for 90v L-L Inputs (Optional)*

**CUSTOM AVIONICS TEST EQUIPMENT**  
**PHONE (918) 838-8711      FAX (918) 835-2282**

## MODEL TA-902 SPECIFICATIONS

<i>ITEM</i>	<i>SPECIFICATION</i>
INPUT FORMAT	ARINC 407 Synchro and Resolver (Wired Simultaneously) Groundbased REF: 26V, 11.8L-L (STD); 115V, 90V L-L (Optional)
REFERENCE FREQUENCY	Typical 400HZ (RANGE OF 300 - 2500 Hz)
INTERNAL OSC	400HZ +/- 5%, Low Level 6Vrms(Std Unit Only) Capable of One Load
DISPLAY RANGE	000.0 TO 359.9 Degrees
ANGLE ACCURACY	2.3 ARC/MIN, +/- 1 LSB
RESOLUTION	Display: .1/deg Angle: 14 BIT
INPUT IMPEDANCE	Reference Input           160K OHM (Std) Synchro Input            123K OHM (Std) Resolver Input            47K OHM (Std)
TRACKING RATE	10 RPS or 3,600 DPS, Full Accuracy @ 400Hz
CHANNELS	2, One Synchro and One Resolver
BUILT IN TEST	BIT LED Indicates Loss of Signal, Loss Of Reference Or Low Level Signals.
SETTLING TIME	20msec/179.0 Degree Step
DIGITAL OUTPUT	14Bit Natural Binary; Positive Logic Converter Busy (CB); Positive Logic Logic 0; 1 TTL Load @ 1.6ma/0.4v Logic 1; 10 TTL Loads @ .4ma/2.8v
INPUT POWER	26VAC/400hz @ 0.36A 10-28VDC @ 0.4 – 0.25A 115VAC/400hz @ 0.31A (TA-902-01 Unit Only, Isolated)
OPERATING TEMPERATURE	0 to +50C
WEIGHT	1.1 Lbs
UNIT DIMENSIONS	1/8 DIN TYPE   W 3.56 x H 1.72 x Depth 7.1 Inches

Note: For TA-902-01 Contact us for Specifications