



TA-901 SERIES ANGLE POSITION INDICATOR

- Display Resolution of 0.01° (Optional 0.001°)
- Accuracy to 0.03° (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
- Vinyl clad steel cover with Extruded Aluminum Base
- Rear Panel Interface Connector is Standard D-Sub 37 Pin
- Sized for Convenience and Portability
- **DESIGNED FOR COMMERCIAL AND GENERAL AVIATION**

Part Number Differences:

TA-901 Standard Resolution of 0.01°

TA-901-01 Optional Resolution of 0.001°

MODEL TA-901 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	0.00 - 359.99° (STD) 0.000 - 359.999° (OPT)
ANGLE ACCURACY	2.3 ARC/MIN, +/- 1 LSB (.03°)
ANGLE RESOLUTION	.005°/16 BIT
INPUT IMPEDANCE	Reference Input 160K OHM Synchro Input 123K OHM Resolver Input 47K OHM
TRACKING RATE	3 RPS or 1,080 DPS, Full Accuracy @ 400Hz
BUILT IN TEST	BIT LED Indicates Loss of Signal, Loss of Reference or Low Level Signals.
SETTLING TIME	900msec/179.0 Degree Step
DIGITAL OUTPUT	16 Bit, RS232 Protocol for Download 9600 Baud / No Parity / 1 Stop Bit (ie) "359.9°" CR (ie) "DAC Reset" CR indicates D/A Reset
D/A OUTPUT	12 BIT / Scaled at 0.60v/°, From Selected Reference Point
INPUT POWER	26V/400hz @ 0.32A 10-28VDC @ 0.4 – 0.25A 115V/400hz @ 0.40A (OPT)
OPERATING TEMPERATURE	0 to +50C
WEIGHT	2.4 Lbs
UNIT DIMENSIONS	W 5.6 x H 2.6 x L 7.6 Inches