

# GYROS

## MID-CONTINENT INSTRUMENTS AND AVIONICS ELECTRIC ATTITUDE INDICATOR



Engineered as a primary or standby artificial horizon in fixed-wing aircraft and helicopters, this indicator's single connection makes installation a snap. This indicator is standard equipment on many OEM aircraft including the Beech Baron and Bonanza. Featuring 10-32 volt DC operation, anti-reflective glass, long-life lighting and 7,500 hours MTBF, this is a cost-effective and safe alternative to unreliable vacuum systems.

- 4300-311 - 10/32V, lighted, 0-20° ..... P/N 10-00751 ..... **\$2,912.00**
- 4300-313 - 10/32V, Lighted, 0-20°, Delta ... P/N 10-03899 ..... **\$2,889.00**
- Emergency power supply TS420 ..... P/N 11-05540 ..... **\$2,595.00**
- Knob Cover ..... P/N 10-06803 ..... **\$59.00**

## MID-CONTINENT INSTRUMENTS AND AVIONICS 3300 ELECTRIC DIRECTIONAL GYRO



**Features:** • Weighs just 1.9 lbs. – One pound less than most electric directional gyros • Multi-voltage 10–32 volt DC, remains valid until the aircraft main battery discharges to 10VDC • Direct replacement for many AIM205 and RC Allen RC15A units • Designed specifically for use in high vibration applications • Warning flag monitors rotor speed and power input • Anti-reflective glass enhances visibility and reduces fatigue • Approved to FAA TSO-C5e and RTCA DO-160E • Requires less than half the power of standard DG units • Long-life LED lighting, user selectable to 5, 14 or 28 volt input • One year limited warranty

- Specifications:** Power Input: 10–32 VDC, Current Rating: At 14 VDC Start: 1.4A Max., Run: 0.44A nominal, At 28 VDC Start: 0.6A Max., Run: 0.22A nominal, Lighting: Internal LED lighting switchable to 5, 14 or 28 VDC input; wired through main connector, Weight: 1.9 lbs., Length: 4.65 inches, MTBF: 2,500 hours, Mating Connector: MS3116E8-4S, Mounting: Rear panel mount in standard 31/8" round panel cutout
- 3300-10 no lighting ..... P/N 10-02821 ..... **\$2,520.00**
  - 3300-11 14V LED Lighting ..... P/N 10-04773 ..... **\$2,766.00**
  - 3300-11 28V LED Lighting ..... P/N 10-04774 ..... **\$2,766.00**
  - 4 Pin Connector MS3116E8-4S ..... P/N 10-00791 ..... **\$42.50**



## MID-CONTINENT INSTRUMENTS AND AVIONICS "LIFESAVER" ELECTRIC ATTITUDE INDICATOR

Fly with confidence and peace of mind with the Lifesaver® gyro. Even if every other system in your aircraft's avionics panel goes dark, the Lifesaver powers on. The only attitude indicator with a self-contained battery backup, it delivers one full hour of emergency attitude reference. 1 hr of precious time to pull you through when trouble strikes and all other power fails. Optional slip indicator can be installed anytime. No removal of gyro necessary.

Benefits: Field replaceable lighting, Anti-reflective glass enhances visibility and reduces fatigue, Battery life 3 years in average aircraft environment, 10-32 VDC replacement for use in either 14 or 28V aircraft, May be installed in place of an existing turn coordinator or turn, and slip indicator per FAA advisory circular AC91-75. Lighted, 0–20°

- P/N 10-00750 ..... **\$3,442.00**
- Beechcraft (Inclinometer) ..... P/N 10-06794 ..... **\$4,703.00**
- Fixed Dial ..... P/N 10-06797 ..... **\$3,622.00**
- Delta ..... P/N 10-06798 ..... **\$3,622.00**
- Delta (fixed dial) ..... P/N 10-06799 ..... **\$4,594.00**
- High-Resolution Display ..... P/N 10-06801 ..... **\$3,622.00**
- Auto switch to STBY power ..... P/N 10-06802 ..... **\$4,594.00**
- Slip Indicator Kit ..... P/N 10-00764 ..... **\$269.00**
- Remote Battery Mounting Kit ..... P/N 10-00763 ..... **\$89.00**
- Replacement Battery Pack ..... P/N 10-01054 ..... **\$295.00**
- 3/32" Front Mount Adapter ..... P/N 10-00765 ..... **\$89.95**
- 1/2" Front Mount Adapter ..... P/N 10-00766 ..... **\$465.00**

## CASTLEBERRY ELECTRIC ATTITUDE INDICATOR



The high quality electric attitude indicator replaces the turn and bank and may be installed in the same panel location, freeing up crowded panel space. Installation of these units is straight-forward. It has an inclinometer for use in standard rate turns and a failure warning flag to indicate loss of gyro RPM.

When used together with the Castleberry Emergency Power Unit, Model EPU 28-24RMT, this instrument provides the pilot with a welcome margin of insurance in case of aircraft electrical power failure.

**Features:** • Inclinometer • Power failure flag • Pull to cage knob • Backlit • Standard 3 1/8 in. diameter

Model No.	Description	Part No.	Price
300-14EL	14V Gyro **	10-02823	<b>\$3,195.00</b>
300-14EL	28V Gyro With 8° Tilt	10-02829	<b>\$2,795.00</b>
300-14ELP	300-14EL With Auto Pilot outputs.*	10-02826	<b>\$4,125.00</b>

\*Please Specify at time of order 10-32V or tilt if desired.

\*\*Light Tray required.

## FALCON ATTITUDE GYRO (VACUUM)



This Gyro Horizon is controlled by an air driven precision gyroscope to present the pilot with pitch and roll information, through the full 360° "pictorial" presentation leads to faster interpretation of airplane attitude. A zero pitch adjustment knob is provided. Dims: 3-1/8 x 3-1/8 x 8 max. Non-TSO'd for Experimental Aircraft Only

- Non-TSO'd ..... P/N 10-22955 ..... **\$765.00**
- Gyro with 8° tilt Falcon ..... P/N 10-02242 ..... **\$868.00**

## FALCON ATTITUDE GYRO (ELECTRIC)



This factory new electric attitude gyro fits the standard gyro instrument cut-out. Features push-to-cage knob, low power/power failure flag, longer life & reliability due to lower operating temp.; Black case, black adjustment knob, & bright yellow/green airplane marker with sky blue/brown ground dial. Roll & loop without worry. Size: 6.4", Wt: 2.4 lbs., Power: 14VDC req. MS3116E8 connector (included). Non-TSO'd for Experimental Aircraft Only.

Size	Model No.	Description	Part No.	Price
3-1/8"	GH02E-3	Non-TSO'd, 14V	10-04671	<b>\$1,596.00</b>
4 Pin	MS3116E8-4S	4 Pin Connector MS3116E8-4S	10-00791	<b>\$42.50</b>

## FALCON DIRECTIONAL GYRO (VACUUM)



The vertical rotating azimuth card is controlled by a precision gyroscope air-driven. The directional gyro will give correct heading information through ±60° of aircraft attitude in roll and pitch, 360° in yaw. A caging knob is provided to reset the gyro to the magnetic compass. Similar to Air Italia Gyros. Non-TSO'd for Experimental Aircraft Only  
P/N 10-22950 ..... **\$765.00**

**Falcon gyros can tolerate some aerobatic flight, but aerobatics can reduce the life of the gyro. It is recommended that the gyros be removed when the aircraft will be performing extensive aerobatic maneuvers. The Falcon electric gyros have caging knobs, but the vacuum gyros do not. Made in China.**

## MPL 503 AIR PRESSURE SWITCHES



MPL 503 Series pressure switches sensitive inches/H 2 O or Knots. Accuracy and reliability offer the designer an excellent general purpose low pressure to electric interface for monitoring and control applications. The miniature size make the 503 Series ideal for OEM applications.

Description	Part No.	Price
MPL503E Air Pressure Switch Adjustable: 40-100" of H2O	11-02379	<b>\$42.95</b>
MPL503DO Air Pressure Switch Normally Open Setting	11-13476	<b>\$41.75</b>
MPL503DC Air Pressure Switch Normally Closed Setting	11-13477	<b>\$41.85</b>

## CASTLEBERRY EMERGENCY POWER BACK-UP EPU-2



TSO'd emergency power supply, Model EPU 28-24RMT that can replace some older non TSO'd units made by Terra and AIM that are no longer in production. This unit provides a 24 VDC output up to 5 Amps for 30 minutes

for emergency buss power to operate the standby attitude gyro with extra capacity of up to 4 amps for other critical instrument or avionics. This is economical insurance in a 7.5 pound package for aircraft frequently involved in IFR operations.

- Emergency Power Supply EPU-2 ..... P/N 11-05822 ..... **\$2,235.00**
- EPU Connector ..... P/N 11-07713 ..... **\$71.00**
- Rack Mount and Connector for EPU-2 ..... P/N 11-05823 ..... **\$286.00**
- Component Maintenance Manual ..... P/N 11-00187 ..... **\$895.00**