

GYROS



SIGMA-TEK 500EG ELECTRIC GYRO ATTITUDE INDICATOR

Lighted bezels have anti-reflective glass. Lighted gyros do not include lamp trays. All gyros calibrated for zero degree panel tilt. Mating Connector not included with gyro. FAA Certified as a primary or standby gyro (FAA advisory circular AC20-41A) Approved to Replace you turn coordinator (FAA advisory circular AC91-75) **Optional Features:** * Panel Tilt Inclinometer: 0 to 10 degrees, Standard tilts 0°, 5°, 7-1/2°, 8°, & 10° * Lighting L5, 14, 28 Vdc external lamp tray, 12-inch leads. * Inclinometer: Slip Indicator, ball type, bezel mounted. * Mating Connector: Part No. 10-02756 **Specifications:** * Panel mount: Standard 3-1/8 inch round cutout, rear mount * Length: 8.1 inches maximum * Weight: 2.6 lbs. maximum, C/G 3.25 inches from mounting face * Input Power: 14Vdc input-1500 mA starting & 1400 mA running; 28Vdc input-600 mA starting & 550 mA running. * Dial Presentation: Fixed pointer, rotating dial, with symbolic airplane. * Operating Temperature Range: -30°C to +50°C, -22°F to +122°F * Certification: FAA TSO-C4c * Limited Warranty: 12 Months from date installed / 6 months shelf life. **All lighted gyros must order tray separately.**

(Shown with optional slip indicator installed)

Standard 28 Vdc, Lighted Bezel, and Slip Indicator.....	P/N 10-02748
Standard 14 Vdc, Lighted Bezel, and Slip Indicator.....	P/N 10-02749
Standard 28 Vdc, Lighted Bezel.....	P/N 10-02750
Standard 14 Vdc, Lighted Bezel.....	P/N 10-02751
Standard 28 Vdc, and Slip Indicator.....	P/N 10-02752
Standard 14 Vdc, and Slip Indicator.....	P/N 10-02754
Standard 28 Vdc.....	P/N 10-02753
Standard 14 Vdc.....	P/N 10-02755
Mating Connector.....	P/N 10-02756
Lamp Tray, 14 Vdc, 12-inch leads.....	P/N 10-02757
Lamp Tray, 28 Vdc, 12-inch leads.....	P/N 10-02758

THE "LIFESAVER" ELECTRIC GYRO



The only attitude indicator with a self-contained battery backup, the Lifesaver® provides one hour of emergency attitude reference in the event of power failure. With 7,500 hours MTBF – more than double the competition – it is an exceptional value. TSO approved. Added safety, ease of installation and cost-benefit make this an ideal primary or standby artificial horizon. Custom versions available to match existing instrument/EFIS displays. Anti-reflective glass and long-life lighting are standard on all Mid-Continent indicators.

14V Gyro With Battery.....	P/N 10-00750
28V Gyro With Battery.....	P/N 10-00841
Slip Indicator.....	P/N 10-00764
Remote Battery Mounting Kit.....	P/N 10-00763
Replacement Battery Pack.....	P/N 10-01054
3/32" Front Mount Adapter.....	P/N 10-00765
1/2" Front Mount Adapter.....	P/N 10-00766
Emergency Power Supply.....	P/N 11-05540

MID-CONTINENT STANDARD ELECTRIC GYRO



The only attitude indicator with a self-contained battery backup, the Lifesaver® provides one hour of emergency attitude reference in the event of power failure. With 7,500 hours MTBF – more than double the competition – it is an exceptional value. TSO approved. Added safety, ease of installation and cost-benefit make this an ideal primary or standby artificial horizon. Custom versions available to match existing instrument/EFIS displays. Anti-reflective glass and long-life lighting are standard on all Mid-Continent indicators.

14V Gyro Without Battery.....	P/N 10-00751
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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. Similar to Air Italia Gyros. Non-TSO'd for Experimental Aircraft Only P/N 10-22955

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.

14V, Unlighted.....	P/N 10-00013
14V, Lighted.....	P/N 10-00099
14V, 8° panel tilt.....	P/N 10-00101
28V, Unlighted.....	P/N 10-00102
28V, Lighted.....	P/N 10-00103
MS3116E8-4S connector.....	P/N 10-00791



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 straightforward. 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	.
300-14EL	28V Gyro	10-02824	.
300-14EL	14V Gyro With 8° Tilt	10-02828	.
300-14EL	28V Gyro With 8° Tilt	10-02829	.
300-14ELP	300-14EL With Auto Pilot outputs.*	10-02826	.

*Please Specify at time of order 14 or 28V or tilt if desired.



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
EPU Connector.....	P/N 11-07713
Rack Mount and Connector for EPU-2.....	P/N 11-05823
Component Maintenance Manual.....	P/N 11-00187

MID-CONTINENT 3300-10

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: 4.7 inches, MTBF: 2,500 hours, Mating Connector: MS3116F8-4S, Mounting: Rear panel mount in standard 31/8" round panel cutout P/N 10-02821



RCA 2600 SERIES DIGITAL ATTITUDE GYROS

FAA TSO-C4c certified and is designed to be a direct replacement for any Electric Attitude indicator. Contains no mechanical gyro. Ideal for light sport and home built applications. The precision and stability qualities of these instruments also make them suitable for larger aviation applications such as business aircraft and rotorcraft. Capable of aerobatic type maneuvers with a full 360 degrees of pitch and roll without the typical "tumbling" of mechanical gyros and without any harm to the instrument.

RCA2600-2 (2 Inch Gyro).....	P/N 11-07324
RCA2600-3 (3 Inch Gyro).....	P/N 11-07325
2600 Inclinometer Option.....	P/N 10-03862

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

FALCON DIRECTIONAL GYRO (ELECTRIC)



The Directional Gyro is a gyroscopic navigation instrument designed to provide the pilot with a constant directional reference that is not subject to characteristics of a magnetic compass that cause errors. The vacuum type is operated by the air flow generated by the aircraft's vacuum system while the electrical type is operated by the aircraft's power supply. Non-TSO'd for Experimental Aircraft Only.

28V Heading.....	P/N 10-01799
14V Electric.....	P/N 10-01798

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.

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