

Rugged new instruments for superior reliability in helicopter operations.



SPECIFICATIONS

200 SERIES ELECTRIC DIRECTIONAL GYRO

Model: 200-11ELH
Part Number: 505-0001-960 /-961
Input: 14- or 28-VDC
Operating Limits: 55 Degrees pitch and roll, all headings
Lighting: Blue White
Weight: 3.0 Lb. Max
Bezel: ARINC
Case: Standard 3 1/8 in. diameter

Additional features include:

- Certified under FAA, TSO C5c
- Functional under helicopter DO-160- () curve vibration
- Night vision lighting available
- Bezel-mounted light tray
- Rear mounted in shock-mounted panel

900-23 EH SERIES ELECTRIC ATTITUDE HORIZON

Model: 900-23 EH
Part Number: 504-0027-947/ -948/ -949/ -950
Panel Tilt: Various: 0 to 14 Degrees
Input: 14- or 28-VDC
Lighting: Blue White Integral Wedge
Weight: 3.8 Lb. Max
Bezel: Standard Round
Case: Standard 3 1/8 in. Round

Additional features include:

- Inclinometer available
- Functional under helicopter DO-160- () curve vibration
- Strengthened internal suspension for helicopter application
- Gyro monitor flag
- Pull for quick erect
- Pilot adjustable parallax control

Castleberry Instruments and Avionics introduces a new, highly ruggedized series of gyro flight instruments mission-specific for helicopter operations. The design now meets the challenge, providing a rugged instrument that withstands punishing high vibration and torturing dynamic motion found in helicopter operations.

These specialized gyros for helicopter operations now include the 200-11ELH Series Directional Gyros and the 900-23EH Series Attitude Horizon. Both gyro series are available in 14- or 28-VDC. The horizon is available with, or without inclinometer and the directional gyro is available with or without a heading bug.

As an option, these instruments can be configured and approved to meet the Night Vision Goggle (NVG) crew station lighting requirements of RTCA/DO-275. This option brings approved flight instruments to the civil NVG market, providing a wider margin of safety while operating under night VFR rules. The NVG lighting can easily be seen by the unaided eye but almost invisible to the NVG. The only apparent difference is that the lighting will be blue or blue/green in color.

These new units are FAA approved and TSO'd for popular components, including those previously manufactured by AIM, Century Flight and others. Castleberry units fit the same panel cut-out, use the same mating connectors and perform the same functions. Installation of these units is straight-forward with no modifications required.

Castleberry gyros embody a heritage of quality and reliability brought by a core of professionals with an average of more than 20-years in the industry. New gyros for helicopter applications carry a 15-month warranty.

Castleberry manufactures aircraft flight instruments and electronic components for the General Aviation and Corporate Aircraft industry. Repair and overhaul services of gyroscopic aircraft instruments is a specialty. The company produces FAA approved and TSO'd replacement products for older, obsolete instruments no longer manufactured elsewhere

For more information on this or other fine Castleberry products, call 512-251-5322 or e-mail to sales@ciamfg.com.



**When you count on Instruments,
You can count on Castleberry!**

Instrument Manufacturing, Sales, Repairs, Exchange



**Castleberry
Instruments
& Avionics**

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Rugged new electric gyro instruments for demanding helicopter operations.



SPECIFICATIONS

200 Series Standard Electric Directional Gyro TSO'd for Helicopter Operations

Model: 200-11E
Part Number: 505-0001-955
TSO: C5c DO160()
Input: 14- or 28-VDC
Lighting: None
Case: Standard 3 1/8 in.
Bezel: Standard Round
Weight: Up to 3.5 lbs
Features: Manual Fast Sync Knob
Gyro Monitor Flag

300-14E Series Standard Electric Gyroscopic Horizon TSO'd for Helicopter Operations

Part Number: 504-0006-960
Model: 300-14E Mod B
TSO: C4c DO160()
Input: 14- or 28-VDC
Lighting: None
Case: Standard 3 1/8 in.
Bezel: Standard Round
Panel tilt: 0 to 16 degrees
Weight: Up to 2.7 lbs
Features: Parallax Correction
Pull to Cage Knob
Gyro Monitor Flag
Options: Inclinometer

Castleberry Instruments and Avionics introduces a new series of gyro flight instruments for operations in helicopters. The new ruggedized design now meets the challenge, providing a TSO'd instrument that withstands punishing high vibration and torturing dynamic motion found in helicopter operations.

These specialized gyros for helicopter operations now include the 200-11E Series Electric Directional Gyros and the 300-14E Series Electric Attitude Horizon. The gyro series are 14- or 28-VDC compatible. The horizon is available with, or without inclinometer.

These new electric flight instruments are now TC'd in Robinson R-22 and R-44 series helicopters. Other certification programs are pending.

These new products are FAA approved and TSO'd and complement Castleberry's current line of autopilot gyros and flight directors previously manufactured by AIM for Century Flight, S-TEC and others. Castleberry units fit the same panel cut-out, use the same mating connectors and perform the same functions. Installation of these units is straight-forward with no modifications required.

Castleberry gyros embody a heritage of quality and reliability brought by a core of professionals with an average of more than 20-years in the industry. New gyros for helicopter applications carry a 15-month warranty.

Castleberry manufactures aircraft flight instruments and electronic components for the General Aviation and Corporate Aircraft industry. Repair and overhaul services of gyroscopic aircraft instruments is also a Castleberry specialty.



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Rugged new helicopter instruments for HeliSAS™ autopilot operations.



SPECIFICATIONS

900 Series Electric Gyroscopic Horizon TSO'd for Helicopter Autopilot Operations

Model:	900-EPHD
Part Number:	504-0027-942
Mod B	TSO: C4c DO160()
Input:	14- or 28-VDC
Output:	Autopilot +/- 50MVDC per degree
Lighting:	Blue White std.
Case:	Standard 3 1/8 in.
Bezel:	Standard Round
Panel tilt:	0 to 16 degrees
Weight:	Up to 2.7 lbs
Features:	Parallax Correction Manual Fast Sync Knob Gyro Monitor Flag Inclinometer

200 Series Electric Directional Gyro TSO'd for Helicopter Autopilot Operations

Model:	200-11EBD
Part Number:	505-0001-955
TSO:	C5c DO 160()
Input:	14- or 28-VDC
Output:	Autopilot +/- 550MVDC per degree
Lighting:	Blue White std.
Case:	Standard 3 1/8 in.
Bezel:	Standard Round
Weight:	Up to 3.5 lbs
Features:	Heading Bug Gyro Monitor Flag

Castleberry Instruments and Avionics introduces a new series of gyro flight instruments for fully integrated operations in HeliSAS™ helicopter autopilot systems. These Castleberry HeliSAS gyro instruments are certified in Robinson R-22 and R-44 series helicopters with other helicopter certifications to be completed in the near future.

The new ruggedized design now meets the challenge, providing a TSO'd instrument that withstands punishing high vibration and torturing dynamic motion found in helicopter operations.

These specialized gyros for helicopter operations now include the 200-11EBD Series Directional Gyros and the 900-23EPHD Series Attitude Horizon. The gyro series are 14- or 28-VDC compatible. The horizon is available with inclinometer as standard equipment and the heading bug is standard on the directional gyro.

These new products are FAA approved, TSO'd and complement Castleberry's current line of autopilot gyros and flight directors previously manufactured by AIM for Century Flight, S-TEC and others. Castleberry units fit the same panel cut-out, use the same mating connectors and perform the same functions. Installation of these units is straight-forward with no modifications required.

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