

GYROS



RCA 1510 SERIES DIGITAL HEADING INDICATORS

The RCA1510 Series Digital Heading Indicator is the latest addition to the RC Allen Digital Instrument Lineup. It is the perfect companion to the RCA2610 Digital Attitude Indicator. The RCA1510 is designed as a fully FAA Certified direct replacement for your mechanical Directional Gyro. It is totally self-contained and fits in a standard 3-inch panel cut-out. There are no special external connections other than power and an external GPS antenna. The Multi-Volt function (9-32V) allows installation in both 14 Volt and 28 Volt systems. The RCA1510 combines data from its own internal magnetometer and GPS receiver for a more stable and accurate heading reading which also eliminates the need to "cage" or "zero" the instrument. Because the RCA1510 has no mechanical gyroscope, it is much more accurate than traditional heading indicators. Unlike a mechanical gyroscopic unit, the RCA1510 is not affected by drifting or wandering. The unit is designed to work without GPS input if the GPS signal is lost. The highly visible screen has adjustable brightness controls. It has a traditional rotating dial display with digital numeric headings. The pilot can adjust the Heading Bug just like a mechanical instrument or use the Quick-Set Heading Bug; a double-push of the HDG knob sets the Bug to the current heading. The panel tilt angle can be set from 0 to 90 degrees in one degree increments, but must be specified at time of order. Made in the USA

Features: • Totally self-contained • Quick-set Heading Bug • Internal Magnetometer and GPS • Sharp Dimmable Display • Dual Processor Performance • Multi-volt Operation (9 to 32 Volts) • Fits standard panel cutout • Vibration Resistant • All digital - No moving parts • Black anodized bezel • Lightweight - 8oz. Max • FAA Certified

Description	Part No.	Price
Dedicated Antenna (SMA) Standard	10-06580	---
Dedicated Antenna (SMA) With Backup Battery	10-07407	---
Dedicated Antenna (SMA) Standard NVIS	10-07408	---
Dedicated Antenna (SMA) NVIS w/Backup Battery	10-07409	---
RS232 Serial Standard	10-07410	---
RS232 Serial With Backup Battery	10-07411	---
RS232 Serial Standard NVIS	10-07412	---
RS232 Serial NVIS with Backup Battery	10-07413	---
RC Allen Digital Indicator Custom Tilt Option	10-07138	---

RC ALLEN DIRECTIONAL GYROS (ELECTRIC)



The RCA15 Series electric directional gyro employs and electrically driven gyro motor and is a direct reading, azimuth indicator. Rotor run up time is 3 min. They have a built in inverter which converts aircraft DC power to the required AC voltage and frequency. May be used in both fixed wing and rotor wing aircraft and is easily installed in standard 3 1/8" panel cut out. Power failure flag drops into view when supply voltage is lost or has dropped below a level for proper operation of the gyro. Made in the USA

Pictured is RCA15AK-1
Electrical Requirements: • Starting Current @ 14 VDC: 2.4A Max • Running Current @ 14 VDC: 1.2A • Starting Current @ 28 VDC: 1.4A Max • Running Current @28 VDC: .6A • Recommended Circuit Breaker 3A

Model	Description	Part No.	Price
RCA15AK-1	14 VDC, Lighted	10-01681	---
RCA15AK-2	14 VDC	10-01390	---
RCA15EK-2	12-30V, TSO	10-03454	---
RCA15BK-1	28 VDC, Lighted	10-01682	---
RCA15BK-2	28 VDC	10-00501	---
RCA15AK-16	14 Volt, 400HZ, 5K.	10-02530	---
RCA15AK-17	14 Volt, Heading Bug only.	10-02529	---
RCA15BK-16	28 Volt, 400HZ, 5K.	10-02533	---
RCA15BK-17	28 Volt, Heading Bug only.	10-02532	---
15BK-1	Factory Overhauled	10-05690	---
Accessories			
MS3116E8-4S	4 Pin Connector	10-00791	---
444-0011-0	Mini Slip Indicator - Add this to your new or current Electric Gyro Horizon. Replaces 444-0007-01.	10-04623	---

RC ALLEN ATTITUDE GYROS (ELECTRIC)



10-02524

The RCA26 Series is the top of the line and has been designed for precision and reliability. The RCS26EK Series is a 10-30VDC instrument. You have a choice of a fixed or moveable pointer, and a 14 or 28 volt lighting. Performance characteristics include roll indication of 360°. Pitch ± 30°. Pitch trim range ±7°. Slip Indicator can be added upon request. Mating connector (MS3116E8-4S) is also available.

***Additional core charge added to purchase at time of checkout. Exchange core must be a like core* and the core must be returned no later than 20 days from the invoice date to receive core credit.**

Model No.	Description	Part No.	Price
RCA26EK-11	Fixed Pointer, unlit. 0° Tilt	10-02524	---
RCA26EK-12	Fixed Pointer, lighted. 0° Tilt	10-02526	---
RCA26EK-12 Custom Tilt	Fixed Pointer, lighted. Specify Tilt	10-04985	---
RCA26EK-13	Moveable pointer, unlit. 0° Tilt	10-02527	---
RCA26EK-14	Moveable pointer, lighted. Voltage and tilt must be specified at time of order.	10-02528	---
RCA26AK-1	Standard look, 14V, Lighted, Moveable pointer, Stationary roll dial. 0° tilt.	10-00608	---
RCA26AK-1 Custom Tilt	Standard look, 14V, Lighted, Moveable pointer, Stationary roll dial. Specify tilt.	10-04989	---
RCA26AK-2	Standard look, 14V, Lighted, fixed pointer, moveable roll dial. 0° Tilt	10-01683	---
RCA26AK-2 Custom Tilt	Standard look, 14V, Lighted, fixed pointer, moveable roll dial. Specify Tilt	10-04990	---
RCA26AK-3	Standard look, 14V, Moveable pointer, Stationary roll dial. 0° Tilt.	10-01118	---
RCA26AK-3 Custom Tilt	Standard look, 14V, Moveable pointer, Stationary roll dial. Specify Tilt.	10-04991	---
RCA26AK-4	Standard look, 14V, Fixed Pointer, Moveable roll dial.	10-01392	---
RCA26BK-2	Standard look, 28V, Lighted, Moveable pointer, Stationary Roll Dial.	10-01119	---
RCA26BK-6	Standard look, 28V, Fixed Pointer, Moveable Roll Dial.	10-01393	---
RCA26BK-8	Standard look, 28V, Moveable pointer, Stationary Roll Dial.	10-01120	---
RCA26BK-9	Standard look, 28V, Lighted, Fixed pointer, Moveable Roll Dial.	10-00466	---
RCA26BK-12	5° Tilt, 28V, Lighted, Moveable pointer, fixed roll dial	10-01122	---
26BK-9	Factory Overhauled*	10-05685	---
26BK-2	Factory Overhauled*	10-05686	---
26AK-4	Factory Overhauled*	10-05687	---
MS3116E8-4S	4 Pin Connector MS3116E8-4S	10-00791	---
444-0011-01	Slip indicator/inclinometer for RCA26 & RCA22 Series manufactured before 03/04/2011	10-04623	---



CORE CHARGES APPLY TO OVERHAULED GYROS.