

# GYROS



## SIGMA-TEK 4000B SERIES STANDARD DIRECTIONAL GYROS

The 4000B is a standard air-driven directional gyro. As the aircraft turns left or right, gears on the sensing unit and dial shaft translate this rotation into rotation of the instrument's vertical dial. Left turns produce clockwise dial rotation and right turns produce counter-clockwise rotation. The gyro is controlled by a heading selector knob located on the lower left of the instrument. Pressing and turning the knob first disengages the dial shaft and then resets the dial to a new heading, which results in a new course indication. Releasing the selector knob re-engages the dial shaft. The on-course position of the pointer is always at the top of the azimuth circle (0° on the dial with the aircraft headed north). The Standard configuration can replace most air driven gyros with the major difference being in the layout and colors of the display.

**NOTE: Lighted instruments do not include lamp trays, please see accessories to purchase separately.**

Sigma-Tek	Model	Airplane Color	Index Markers	Dial @ 30°	Letters @ 90°	Light-ed	Part Number	Price
1U262-001-9	4000B-8	White	White	White	No	No	10-05123	\$1,500.00
1U262-002-32	4000B-22	White	White	White	Yes	Yes	10-05124	\$1,780.00
1U262-001-39	4000B-30	Orange	Orange	White	Yes	No	4000B	\$1,495.00
1U262-002-42	4000B-31	Orange	Orange	White	Yes	Yes	10-00588	\$1,793.00



## SIGMA-TEK 4000C / D SERIES AUTOPILOT DIRECTIONAL GYROS

The 4000C/D is an air-driven directional gyro with A.C. autopilot pickoffs. Left turns produce clockwise dial rotation and right turns produce counter-clockwise rotation.

Two knobs control the gyro. The left knob is used to cage the unit, and the right knob is used to select the instrument's heading. To change course, the right selector knob is pressed and turned to disengage the dial shaft and set the pointer to a new heading. Releasing the selector knob re-engages the pointer with the dial shaft. As the aircraft turns onto a new course, the pointer returns to its original position. The on-course position of the pointer is always at the top of the azimuth circle (0° on the dial with the aircraft headed north).

Some Auto-Pilot gyros are FAA PMA approved for use in several models of the Century and S-Tec Auto-Pilot systems.

Sigma-Tek	Model	Autopilot Model	Airplane Index	Dial @ 30°	Letters @ 90°	Light-ed	PMA	Part Number	Price
1U262-003-14	4000C	52D54	White	White	No	No	Yes	11-05908	\$2,385.00
1U262-004-15	4000C-1	52D54M	White	White	Yes	Yes	Yes	10-02929	\$2,587.00
1U262-042-3	4000C-17	King	White	White	Yes	Yes	No	10-05137	\$2,887.00
1U262-003-65	4000C-18	52D54	Orange	White	No	No	Yes	10-05138	\$2,489.00
1U262-004-66	4000C-19	52D54M	Orange	White	Yes	Yes	Yes	10-05139	\$2,676.00
1U262-005-20	4000D-1	ARC 40760-0114 (G502A)	Yellow	White	Yes	No	No	10-05141	\$3,109.00
1U262-006-45	4000D-6	S-TEC (8404)	White	White	Yes	Yes	Yes	10-00049	\$2,965.00



## SIGMA-TEK 4000H SERIES XYZ BOOTSTRAP DIRECTIONAL GYROS

A cost effective link to "bootstrap" other instruments requiring heading information for: display orientation to aircraft heading, heading stabilization functions, and other navigational calculations and/or solutions. Specific applications include: Argus Moving Map Display®, L-3 Avionics Stormscope®, and Insight Strike Finder®. The heading output exactly tracks the aircraft heading as depicted under the index pointer on the Directional Gyro. The synchro index and rotation reference is set to ARINC characteristics. The 26 VAC, 400 HZ heading synchro requires a readily available external excitation, preferable from the instrument/system receiving the heading output or from an independent inverter. Sigma Tek's Directional "Bootstrap" gyro includes options for lighting and interfaces for ARC, Century Flight System, and S-Tec autopilots.

Sigma-Tek	Model	Autopilot Interface	Airplane Index	Dial @ 30°	Letters @ 90°	Light-ed	Part Number	Price
1U262-031-1	4000H	None	Orange	White	Yes	Yes	10-05142	\$3,083.00
1U262-033-3	4000H-2	ARC	Orange	White	Yes	Yes	10-05143	\$4,305.00
1U262-034-4	4000H-3	ARC	Orange	White	Yes	No	10-05144	\$4,248.00
1U262-033-5	4000H-4	S-TEC	Orange	White	Yes	Yes	10-05145	\$4,248.00
1U262-034-6	4000H-5	S-TEC	Orange	White	Yes	No	10-02106	\$4,135.00
1U262-035-7	4000H-6	CFS	Orange	White	Yes	Yes	10-05146	\$4,327.00
1U262-036-8	4000H-7	CFS	Orange	White	Yes	No	10-05147	\$3,996.00
1U262-039-11	4000H-10	KING (DC)	Orange	White	Yes	Yes	10-05149	\$4,059.00
1U262-040-12	4000H-11	KING (DC)	Orange	White	Yes	No	10-05150	\$3,974.00
1U262-237-9	4000H-8	CFS (DC)	Orange	White	Yes	Yes	10-05148	\$3,974.00

### Accessories for the above gyros

BA14-24-BW3G (14 Volt Lamp Tray).....P/N 10-02757 .....\$91.75  
BA28-24-BW3G (28 Volt Lamp Tray).....P/N 10-02758 .....\$93.85

## SIGMA-TEK 4000HR-SERIES HEADING REFERENCE DIRECTIONAL GYROS



The 4000HR air-driven directional gyro offers some of the best features of our other popular models. It inherited all of the functionality and reliability of the industry standard 4000B upon which it's based, and it picked up a heading reference bug from the 4000C autopilot model.

Many pilots find the heading reminder a valuable feature whenever the cockpit is busy, such as during an approach with heavy ATC traffic.

Setting a new heading during a long, cross-country flight eliminates the tedious math associated with frequent navigational crosschecks. A quick glance at the instrument instantly reminds the pilot of his heading. The heading bug can be positioned anywhere around the heading card by turning the right knob.

Sigma-Tek	Model	Airplane Color	Index Markers	Dial @ 30°	Letters @ 90°	Light-ed	Heading Reminder	Part Number	Price
1U262-007-33	4000HR-1	White	White	White	Yes	No	Yes	10-05151	\$1,837.00
1U262-007-40	4000HR-2	Orange	Orange	White	Yes	No	Yes	10-00469	\$1,625.00
1U262-010-41	4000HR-3	Orange	Orange	White	Yes	Yes	Yes	10-00095	\$2,138.00

**Note: Lighted instruments do not include lamp trays, please specify aircraft voltage:**

BA14-24-BW3G (14 Volt Lamp Tray).....P/N 10-02757 .....\$91.75  
BA28-24-BW3G (28 Volt Lamp Tray).....P/N 10-02758 .....\$93.85

## SIGMA-TEK 4000B ARINC-STYLE DIRECTIONAL GYROSCOPES



This instrument was developed for those pilots that prefer the distinct, professional look of an ARINC-styled cockpit. It is identical to the standard 4000B model differing mainly in aesthetics. Besides its distinct bezel and airplane, the display graphics and colors differentiate it from the standard model. A heading reminder bug is available as an option.

The ARINC gyros have a 3" bezel that matches existing ARINC flight director systems.

Sigma-Tek	Model	Airplane Color	Index Markers	Dial @ 30°	Letters @ 90°	Light-ed	Part Number	Price
1U262-011-1	4000B-23	Orange	White	White	Yes	14 or 28V	10-05128	\$3,454.00
1U262-012-2	4000B-24	Orange	White	White	No	5V	10-05129	\$3,454.00
1U262-013-3	4000B-25	Orange	White	White	Yes	No	10-05136	\$3,384.00

## SIGMA-TEK 1U367 ARINC-STYLE ATTITUDE GYRO



The 1U367 has a pictorial horizon mask and a fixed airplane. The mask moves to indicate climb, dive, and bank. Bank and pitch attitudes are displayed so that the pilot's sensing of the gyro's horizon indication is the same as the interpretation of the relationship between the wings

of the aircraft and the natural horizon during visual flight. The instrument is operable following maneuvers of 360° in roll and 360° in pitch. Controlled precession is employed to achieve the 360° in pitch. Note: Arinc-bezel lighted gyros have integral lighting as noted.

Sigma-Tek Part No.	Model	Display Colors	Lighted	Panel Tilt	Our Part No.	Price
1U367-205-5	1U367	Blue/Brown	none	0	10-05117	\$2,662.00
1U367-210-11	1U367	Blue/Brown	14V or 28V	8	10-05118	\$2,877.00

## SIGMA-TEK HIGH-FLOW FITTINGS



**53B423-001** - A 3/8" fitting is used for the pump output (pressure) in a typical vacuum installation having 5/8" hoses. P/N 10-01150 .....\$62.75



**53B423-002** - A 3/8" 45° fitting used for either inlet or outlet ports with installations having 5/8" hoses. P/N 10-01151 .....\$62.75



**53B423-003** - A 3/8" 90° short high-flow fitting used for either inlet or outlets with installations having 5/8" hoses. P/N 10-01152 .....\$62.75



**53B423-004** - A 3/8" 90° short high-flow fitting used for either inlet or outlets with installations having 5/8" hoses. P/N 10-01153 .....\$62.75

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