The synchro index and rotation reference is set to ARINC characteristics. The heading output exactly tracks the aircraft other navigational calculations and/or solutions. Specific applications of the Century and S-Tec Auto-Pilot systems.

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 4000B SERIES AUTOPILOT DIRECTIONAL GYROS**

The 4000B/C/D series 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 approved for use in several of the Century and S-Tec Auto-Pilot systems.

**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 28 VAC, 400 HZ heading sensor 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 4000HR-SERIES HEADING REFERENCE DIRECTIONAL GYROS**

The 4000HR air-driven directional gyro offers the pilot’s lights and a cockpit feature of our other popular models. It inherited all of the functionality and reliability of the industry standard 4000B upon which it is 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. 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 gyro’s with the major difference being in the layout and colors of the display.

**SIGMA-TEK 1U367 ARINC-STYLE ATTITUDE VIBRATOR**

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 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.

53B423-002 - A 3/8" 45° fitting used for either inlet or outlet ports with installations having 5/8" hoses.

53B423-003 - A 3/8" 90° short high-flow fitting used for either inlet or outlets with installations having 5/8" hoses.

**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

Prices Subject to Change Without Notice