

GYROS

SIGMA-TEK 5000E/L SERIES AUTOPILOT ATTITUDE GYROS



The 5000E air-driven attitude gyro is another variation of our standard 5000B model. It includes inductive pickoffs that generate the signals necessary to drive an autopilot. The intuitive display has a moving horizon mask that indicates the position of the aircraft's wings in relation to the natural horizon. This attitude information is passed along to the autopilot system. This is one of our most popular primary instruments. It is FAA approved, and can replace the turn coordinator when equipped with an inclinometer.

Many Sigma-Tek autopilot gyros are FAA PMA approved for use in ARC and Century CII, CIIB, CIII and CIV autopilot installations.

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

Specifications: • Height: 3.38" • Width: 3.38" • Depth: 7.51" • Weight: 2.2 lbs. max. • Markings: Matte white • Finish: Dull black • Temperature: -30° to 50° C • Vibration: (CPS: 5 to 50 / Maximum Double Amplitude: 0.020 in./ Maximum Acceleration: 1.5 G's) • Humidity: 0% to 95% at 32° C • Altitude: 0 to 40,000 ft.

DISPLAY COLORS: BLUE / BLACK

Sigma-Tek	Model	Autopilot Model	Autopilot Output	Light-ed	Panel Tilt	PMA	Part Number	Price
23-501-04-2	5000E-8	CFS 52D66	Roll	No	0	Yes	10-04892	.
23-501-05-2	5000E-9	CFS 52D67	Pitch & Roll	No	0	Yes	10-04894	.
1U149-006-1	5000E-10	CFS 52D66M	Roll	Yes	0	Yes	5000E-10	.
1U149-007-1	5000E-11	CFS 52D67M	Pitch & Roll	Yes	0	Yes	5000E-11	.

DISPLAY COLORS: BLUE / BROWN

23-501-04-24	5000E-20	CFS 52D66	Roll	No	0	Yes	10-04893	.
23-501-05-25	5000E-21	CDS 52D67	Pitch & Roll	No	0	Yes	10-04895	.
1U149-006-8	5000E-22	CFS 52D66M	Roll	Yes	0	Yes	10-04890	.
1U149-007-9	5000E-23	CFS 52D67M	Pitch & Roll	Yes	0	Yes	10-04891	.

Accessories

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

SIGMA-TEK 5000M SERIES CAGEABLE ATTITUDE GYROS



The 5000M is an air-driven gyro that has a pictorial horizon mask and 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 indication is the same as the interpretation of the relation between the wings of the aircraft and the natural horizon during visual flight. The instrument is provided with a caging system which is functional through 360° of roll and 90° of pitch. When caging is engaged, pitch

and roll indices are aligned within two degrees. This instrument is FAA certified, and can be used to replace the aircraft's turn coordinator when equipped with an inclinometer. The caging feature is very useful for quick erection and display alignment; a high priority for occasional aerobatic maneuvers and operations with short stops.

Display Colors: Blue/Brown

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

Sigma-Tek	Model	Warning Flag	Caging	Inclino-meter	Light-ed	Panel Tilt	Part Number	Price
1U149-021-1	5000M	No	Yes	No	Yes	0	10-02326	.
23-501-035-5	5000M-1	No	Yes	No	No	0	10-02327	.
23-501-036-6	5000M-2	No	Yes	No	No	8	10-02328	.
23-501-037-7	5000M-3	No	Yes	Yes	No	0	10-02329	.
23-501-038-8	5000M-4	No	Yes	Yes	No	8	10-02330	.
1U149-022-2	5000M-5	No	Yes	No	Yes	8	10-02331	.
1U149-023-3	5000M-6	No	Yes	Yes	Yes	0	10-02332	.
1U149-024-4	5000M-7	No	Yes	Yes	Yes	8	10-02333	.
1U149-025-5	5000M-8	Yes	Yes	Yes	Yes	0	10-04882	.
1U149-026-6	5000M-9	Yes	Yes	Yes	Yes	8	10-04883	.
23-501-039-9	5000M-10	Yes	Yes	Yes	No	0	10-04884	.
23-501-040-10	5000M-11	Yes	Yes	Yes	No	8	10-04885	.
23-501-043-3	5000M-12	Yes	Yes	No	No	0	10-04886	.
23-501-044-4	5000M-13	Yes	Yes	No	No	8	10-04887	.
1U149-027-7	5000M-14	Yes	Yes	No	Yes	0	10-04888	.
1U149-028-8	5000M-15	Yes	Yes	No	Yes	8	10-04889	.

Accessories

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

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	.
1U262-002-32	4000B-22	White	White	White	Yes	Yes	10-05124	.
1U262-001-39	4000B-30	Orange	Orange	White	Yes	No	4000B	.
1U262-002-42	4000B-31	Orange	Orange	White	Yes	Yes	10-00588	.