

RADIANT TECHNOLOGY INSTRUMENTS



RADIANT TECHNOLOGY GEN2 PORTABLE DIGITAL G-METER

A G-Meter is an important instrument in many aircraft, providing pilots with important information about the forces acting on their aircraft. It contributes to flight safety, training, aerobatics, and specialized aviation activities where precise measurement of G-forces is useful. RADIANT Technology introduces a new GEN2 G-Meter, which is portable and inexpensive. It shows up to +/- 8 Gs in a familiar dial format, along with digitally presented minimum, maximum, and needle trend (persistence) history. It also includes graphing functions, which displays Gs over time using a color-coded scale. This makes it easy and fun to see what the aircraft and occupants are experiencing and also helps student pilots understand acceleration during turns. One of the graph scales is set at a maximum of 6 G's, while the other goes up to 8 G's as well. The device may be attached with Velcro to the panel of any airplane (**Velcro is NOT included**)

P/N 10-07621 -----



RADIANT SAFETURN PORTABLE TURN COORDINATOR

****NOT FAA APPROVED - FOR USE IN EXPERIMENTAL AIRCRAFT ONLY**** In our continued effort to offer products that enhance safety, RADIANT Technology is introducing SafeTurn, a portable Turn Coordinator that senses rolling, yawing, and turning movements and makes any pilot even better. SafeTurn utilizes a solid state gyroscope along with an embedded accelerometer to create a turn coordinator. Unlike vacuum gyros, it can't be tumbled. It can be powered or recharged from any USB port. It is affordable without compromising on function or features. With a 3-year warranty, it delivers great value.

P/N 10-07759 -----



RADIANT SAFEALT PORTABLE ALTIMETER / VSI COMBO

****NOTE FAA APPROVED - FOR USE IN EXPERIMENTAL AIRCRAFT ONLY**** SafeAlt is a Portable Altimeter designed for use by pilots and passengers to increase safety of flight in three scenarios. For general aviation pilots, it provides a backup to panel-mounted altimeters and VSI gauges in an easy to use, USB rechargeable, portable device. For corporate pilots in pressurized aircraft, it provides a visual and aural alarm if altitude de-pressurization occurs. This might save lives. For passengers on commercial aircraft, it provides a visual and aural alarm if cabin altitude slowly exceeds a set value (indicating a failure of the aircraft to pressurize) or rapid decompression occurs (also indicating a pressure failure). Furthermore, it provides a reading of pressure altitude within the cabin, which is a proxy for flying comfort. The latest commercial aircraft designs have better, or lower, pressure altitude while flying.

P/N 10-07747 -----

RADIANT TURN COORDINATOR



The RADIANT Turn Coordinator provides a visual indication of turn rate along with a visual indication of slip / skid, utilizing an ultra bright, daylight readable color LCD display. In comparison to all other Turn Coordinators, this unit also provides a digital indication of degrees per second in the turn. Utilizes a solid state gyro and accelerometer; it weighs less than 2 ounces, it attaches to any aircraft ship power system, and it allows for easy in flight calibration at the push of a button. The instruments utilize sunlight readable full color high contrast LCD screens which are also friendly with sunglasses.

This instrument shows inclinometer and turn rate.

All instruments are designed for a standard 2.25" cutout, and use approximately 100milliamps of power from a supply of 8 volts. All instruments are dimmable ----- P/N 10-06082 -----

RADIANT ALTIMETER + VSI COMBO



Introducing the RADIANT Altimeter + VSI Combo, a must-have for any aviation enthusiast or professional pilot. With a bright and clear display, the instrument is available as either 2 1/4" or 3 1/8" panel cutouts. This new Digital Altimeter has improvements in both value and price. It clearly displays altitude and vertical speed in both digital and replica analog format. The overall thickness of the unit is reduced to less than 1/2" (not including electrical connectors or bezel).

2-1/4" Square ----- P/N 10-07652 -----

3-1/8" Round ----- P/N 10-07653 -----

HEADER TANK AUTOMATIC FILL CONTROLLER



The HTAF2 is a "Smart" Header Tank Automatic Fill Control Relay. This device automatically keeps the aircraft header tank full without over stressing any fuel pumps. It can be operated manually (without any fuel sensors mounted in the header tank), or automatically, with one or two optical fuel sensors mounted in the side of the header tank or the your sight tube plumbing. The fuel sensor used for the HTAF2 is a very reliable optical fuel level sensor (optional) that can be easily installed in the header fuel tank. If the user is not able to install a fuel sensor in the header fuel tank, the HTAF2 can be wired to a normally open push button switch to activate the timed pumping. The unit also has a relay output that can be used for a light to indicate when the fuel in the header tank is low. The light will flash indicating when there are any system malfunctions detected. This detection of low fuel is also damped so that it does not falsely indicate low fuel in the case of sloshing fuel. The system can be powered by +12V or +24V electrical systems.

Without Sensors ----- P/N 10-07107 -----

1 Sensor ----- P/N 10-07108 -----

2 Sensors ----- P/N 10-07109 -----

RADIANT TECHNOLOGIES AIRLITE GPS



This GPS receiver provides lots of useful information for Adventures and Pilots. It's small enough to hold in a person's hand or become a part of a keychain (just over 2.5" x 2" and 1.4 oz.), and always works, even when the cell network is down (or the phone, forgotten.) AirLite GPS is designed to be a very inexpensive personal navigation tool, offering features useful for pilots, adventurers, and hikers. With its very sensitive and quick-acquiring GPS module, it can track up to 14 satellites simultaneously.

By setting a Point Of Interest (waypoint) at the start of a hike or flight, you can always return back, or you can plot a course to your next destination. Alternatively, setting a waypoint at the North Pole is a wonderful compass hack, providing accurate directional tracking with no compass deviation. The included timer and distance tracker is also very useful. All in all, AirLite GPS is useful, inexpensive, and fun to use.

Features: • Geographic coordinates as determined by GPS • Directions to user set Points of Interest • Absolutely accurate Time from GPS • Distance • Mileage • Speed Altitude • Compass • Crystal clear LCD screen • GPS lock time as little as 2 seconds! (Hot Start Mode) • Backlight • Keychain attachment • Rechargeable USB battery • ~10 hours operation time on a single charge • Included charging cable ----- P/N 11-19695 -----

RADIANT TACHOMETER



The Digital Tachometer / Hour Meter is a general purpose, ignition spark lead based instrument. Mount it anywhere using the included Velcro patch. Works with two or four stroke engines; also includes a job (oil change) interval countdown timer.

Specifications: • Dimensions: 3"(W) x 1 5/8" (T) x 1" (Deep) • Small size, 2-5/8" x 1 3/8" - (67mm x 35mm) • Standard coin battery power is included (CR2032) • Basic Interface board available separately, allows +8 to +32v power supply and LED capable signal output. • 60" cable harness - standard (1.5 meter) ----- P/N 10-06872 -----

RADIANT - ANGLE OF ATTACK SENSOR



The Radiant Angle of Attack Sensor & Display System includes vane, sensor, LCD RADIANT color Display, and aural alert output, which sounds when angle is in the red.

The vane is mounted on the leading edge of your wing (for tractor airplanes) or on the forward side of your fuselage (for pusher airplanes). The Radiant

AOA comes complete with fittings for either mount. The actual angle of attack is shown in continuous digital format as well. All instruments are designed for a standard 2.25" cutout, and use approximately 100 milliamps of power from a supply of 11 to 14 volts. All instruments are dimmable. **FOR USE IN AIRCRAFT AND VEHICLES ONLY. Non-TSO/ PMA Experimental status and use only** ----- P/N 10-07283 -----