

# RADIANT TECHNOLOGY INSTRUMENTS



## RADIANT TECHNOLOGY GEN2 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.

Many pilots want a G-Meter, but few have one. Competitive units are expensive.

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 user sets the red (alarm) values, for instance, +3.8 / -2.0. The unit includes an aural alarm when the value is exceeded.

The device may be attached with Velcro to the panel of any airplane (Velcro is NOT included) .....P/N 10-07621

## RADIANT 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.

Any pilot who has ever wanted to add a turn coordinator to an experimental aircraft panel has been put off by the complexity, weight, reliability, and price of traditional electric or vacuum units. This product solves all these problems. It 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.

Belite's RADIANT instrument line combines many functions into simple, small, lightweight units. 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. We have also improved the internal numerical font representation, resulting in clear and visible digital numbers. Also improved is the size of the units, with availability for the larger 3 1/8 inch panel cutout. The overall thickness of the unit is also 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

## 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. This is a differential angle from the base (cruise) setting. The bar graph and the numerical value fall rapidly as the elevator is shoved forward. 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

## 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 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 BINGO 4 LIQUID DETECTOR



With fuel management issues continuing to plague pilot decision making, Radiant Technology introduces Bingo4, a small sender device that fits on the outside of the tank and easily shows the presence of absence of liquid in a tank.

Bingo4 mounts on the outside of many different kinds of tanks. It uses ultrasonic technology to indicate the presence of liquid at the point of attachment. It's the perfect instrument to indicate critical level information of the fluid inside a tank. The sender includes a flashing status LED, best for pilots who can see the tank and sender installation.

With USB Port + Panel Display .....P/N 10-07155

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