

# PITOT TUBES - ANGLE OF ATTACK INDICATORS



## AEROGIZMOS PITOT TUBE

Incorporates the mount and the tube in one convenient unit, making it no longer necessary to have a separate mount. This unit further enhances the building experience as there is no protruding mast from the wing if it is to be stored during the building process. Made from a single piece of 6061 aluminum making it strong and long lasting. The unit has been lightened in the interest of weight savings. Not for IFR use.

P/N 10-03633 .....



## THE REDDISH STALL WARNER

Developed in the UK by Nigel Reddish, these stall warners have been installed in many RV series aircraft. The vane is ground adjustable and installation is simple. Includes a micro switch and vane. For experimental aircraft only. **Note:** The Mark 2 Version is practically the same as the Mark 1, the only difference is the vane on the Mark 2 is longer. The installation is the same as the Mark 1 only.

Mark I ..... P/N 10-00189.....  
Mark II ..... P/N 10-02686.....



## RIGHT ANGLE BUDDY AOA

The RiteAngle™ "Buddy" is a modern, up to date system that accurately determines your aircraft's angle of attack. This series uses an improved easy-to-understand LED display. Green indicates Safe, Amber indicates Caution and Red indicates Danger. In addition to the color of the LED's the flashing "arrows" show which way to put the nose to prevent stalling the aircraft. The horizontal line of Green LED's indicate the "On Speed" AOA, 1.3 Vso regardless of bank angle density altitude or any of the other variables where the airspeed is inaccurate. We will not sell this system to aircraft with flaps.

P/N 11-06626 .....



## NON-HEATED NON-IFR WELDED PITOT TUBE ASSEMBLY

This non-heated non-IFR welded pitot tube assembly. It is intended for the experimental VFR aircraft market. The tube and mast are from 4130 tube welded in a fixture to assure alignment. The orifice is produced from aircraft grade aluminum. The pressure tube is polyethylene for easy connection to the aircraft pitot system. Dimension: 6" x 5" x 2-1/2"

P/N 10-03637 .....



## SAFE FLIGHT PRE-STALL WARNER

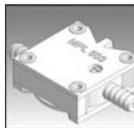
Warns by light and horn of any danger of an approaching stall regardless of the flight maneuver. Never signals unless a stall is imminent. Consists of an instrument panel unit (fits standard 2.25" hole) containing a warning horn & signal light, and a small vane wing unit which operates a relay. Operation of the instrument doesn't depend upon air speed but rather on the air flow conditions of the wing. Complete with installation kit & instructions. Installation time: 2-6 hours.

	Model	Part No.	Price
COMPLETE KIT	164R (12V)	164R	.
	164S (24V)	164S	.
LIFT DETECTOR	164	164	.
HORN & LIGHT	R (12V)	10-22712	.
	S (24V)	10-22724	.



## ACI STALL WARNER

Few pilots need reminding of the catastrophic consequences of an unintentional stall at low level. A frequent sequence of events is distraction of pilot attention, leading to lack of speed control, with the stall rapidly followed by rotational entry into a spin. Steep ground impact follows all too quickly. We all know about this, but why do stall accidents continue to kill pilots and their passengers year after year? Factors include the rapidity with which our low inertia aircraft lose airspeed, their sensitivity to gusts, the higher frequency of engine failure - and so on. However, very few Experimental and PFA aircraft are fitted with audible stall warners, and yet we are flying aircraft that need them. Virtually every certified production light aircraft has a stall warning system as standard. The ACI Stall Warner is for experimental aircraft only. P/N 10-00235 .....



## MPL 503 AIR PRESSURE SWITCH

MPL 500 Series switches offer pressure, vacuum, and differential sensors, sensitive to as low as 0.05 in/H<sub>2</sub>O. Their accuracy and reliability offer the designer an excellent general purpose low pressure to electric interface for monitoring and control applications. Miniature size and low cost make the 500 Series ideal for OEM applications. MPL 503 is a Range B switch, which is 0.50 to 3.00 in/H<sub>2</sub>O

P/N 11-02379 .....



## AOA PROFESSIONAL MODEL

This angle of attack instrument is designed for experimental aircraft pilots. Angle-of-Attack unlocks Navy carrier pilots secrets and puts a priority on safety. All approaches should be flown at the same optimum approach angle of attack not the same IAS. We can now do precision approaches just like the military and airline pilots and accurately gauge Vx, Vy, Best glide, L/D max, and maximum endurance AOA because angle of attack is not a function of weight, bank angle, fuel load, density altitude and etc. This revolutionary angle of attack instrument is based on a long known aerodynamic principle. The AOA Professional includes a four color liquid crystal display and a aural voice system which warns of critically high AOA, gear position errors and installation/hardware errors. There are no ugly probes, vanes or protrusions to slow you down or accumulate ice.

For Composite Construction..... P/N 10-00016 .....

For Metal Construction..... P/N 10-00736 .....



## AOA SPORT MODEL

Designed for those tight panels, requiring simplified features but still uses revolutionary patent pending sensing techniques. This angle of attack instrument is only 1/2" wide by 1-3/4" by 1-1/4" deep overall and will fit on or under your glare shield or between instruments as a panel mount in either the vertical or horizontal position. Enhance safety by installing the ultimate aerodynamic performance instrument. The display is a three color LED ladder and includes the same aural voice warnings as the AOA Professional. It can be powered with a 9V battery or by standard 14 or 28 aircraft bus systems. There are no ugly probes, vanes or protrusions to slow you down. This instrument has more resolution than the Navy's indexer used by Naval and Marine aviators today. Excellent for RV's, Glasairs, Lancairs, and other homebuilts.

P/N 10-00017 .....

## ALPHA SYSTEMS AOA KITS



**AOA-5060K MECHANICAL KIT (3-1/8" MOUNT)** - The Alpha System AOA mechanical kit includes everything needed to install an angle of attack gauge in any aircraft. This kit includes probe, probe mounting plate, all fittings, 21 feet of hoses and the AOA gauge with a 3-1/8" standard panel instrument opening mount. PN 11-05601 .....

**AOA-5070K MECHANICAL KIT (DASH MOUNT)** - The Alpha Systems AOA Mechanical Kit includes everything needed to install an angle of attack gauge in any aircraft. This kit includes probes, probe mounting plate, all fittings, 21ft. of hoses, the AOA gauge, and custom dash mount with mounting plate. PN 11-06446 .....

**AOA-5050K MECHANICAL KIT (2-1/4" MOUNT)** - The Alpha Systems AOA mechanical kit includes everything needed to install an angle of attack gauge in any aircraft. This kit includes probe, probe mounting plate, all fittings, 21 feet of hoses and the AOA gauge with a 2-1/4" standard panel instrument opening mount. PN 11-05599 .....

**AOA-2000K ELECTRONIC KIT (2-1/4" ROUND DISPLAY)** - The Alpha Systems AOA electronic kit includes everything needed to install an angle of attack display in any aircraft. This kit includes probe, probe mounting plate, all fittings, 21 feet of hoses, the AOA digital control module with audio beeper, power cord and round LED display with a 2-1/4" standard panel instrument opening mount. PN 11-05596 .....

**AOA-3000VK ELECTRONIC KIT (VERTICAL DISPLAY)** - The Alpha Systems AOA electronic kit includes everything needed to install an angle of attack display in any aircraft. This kit includes probe, probe mounting plate, all fittings, 21 feet of hoses, AOA digital control module with audio beeper, power cord and 4" bar graph LED vertical display. PN 11-05597 .....

**AOA-3000HK ELECTRONIC KIT (HORIZONTAL DISPLAY)** - The Alpha System AOA electronic kit includes everything needed to install an angle of attack display in any aircraft. This kit includes probe, probe mounting plate, all fittings, 21 feet of hoses, AOA digital control module with audio beeper, power cord and 4" bar graph LED horizontal display. PN 11-05598 .....

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