

# TACHOMETERS – EGT/CHT SYSTEMS

## UMA 2-1/4" ELECTRONIC TACHOMETERS

These tachs have high resolution and easy to read displays. The analog model has a 250° sweep which provides great resolution in both the 3500 & 7000 ranges. The digital model has a bright LED display. Separate power source required. All tachs require power from a 14 or 28V system. Installations are simple with instructions included.



**3500 ANALOG TACH** - Lyc./Continental (to replace mechanical tachs) Current: 37 milliamps Size: 2.25"rnd. X 2.75"deep  
 0-3500 RPM, 4 cyl., Pulses:1.. P/N 10-02140 .....  
 0-3500 RPM, 4 cyl., Pulses:2.. P/N 10-00083 .....  
 0-3500 RPM, 6 cyl..... P/N 10-02141 .....



**7000 ANALOG TACH** - Current: 37 milliamps; Size: 2.25" round X 2.75" deep  
 Rotax 19-519-206.....P/N 10-01854 .....  
 Rotax 912.....P/N 10-01853 .....  
 Rotax 912/914 Lit.....P/N 10-02053 .....



**DIGITAL LED MODEL** - Lycoming/Continental (replace mechanical tachs) Display: 7/16"; Size: 2.25" rnd X 2.75"d .....P/N 10-24885 .....  
 Rotax 912/914 .....P/N 10-00084 .....

## UMA 3-1/8" ELECTRONIC TACHOMETERS



These 3-1/8" electronic tachometers use a 250° sweep meter movement to withstand high levels of vibration and register flight time accurately. Starting at 1800 RPM and higher, not just cruise speed. The hour meter counts flight hours at RPM settings of 1800 & higher. Power: 12-28VDC. 2-year warranty.

Range	Description	Part no.	Price
0-7000 RPM	For Rotax 912 Engine	10-00119	.
0-3500 RPM	*To replace Mechanical Tachometer (reads CW or CCW; B&W Dial Only) Furnished w/mechanical sender	10-00120	.
0-3500 RPM	*To replace Mechanical Tachometer (Green Arc 500-2700 - Red 2700) Furnished w/mechanical sender	10-00121	.

\* P/N 10-00120, 10-00121, 10-24870, & 10-24885 tachs eliminate the problems associated with mechanical tach cables, and the sending unit is a direct replacement for the tach cable. All models are analog style tachs with hour meters and can read RPM for either clockwise or counter-clockwise revolutions. Sender included. \*\*Slick Mags Only

## WESTACH TACHOMETERS



Westach Tachometers connect to primary lead of magnetos. No sender required.

2-1/4"Size..... 4 Cycle Engines ..3-1/8" Size.....

	3500 RPM	5000 RPM		3500 RPM	5000 RPM
4 Cyl	2AT3-2	2AT5-2	4 Cyl	3AT3-2	3AT5-2
6 Cyl	2AT33-2	2AT53-2	6 Cyl	3AT33-2	3AT53-2

## 2-1/4" TACH/HOUR METERS



SQUARE

0-3500, Magneto Ignition.....P/N 10-01305 .....  
 0-3500, Coil Ignition.....P/N 10-01305 .....  
 0-8000, Magneto Ignition.....P/N 10-01690 .....  
 0-8000, Coil Ignition.....P/N 10-00829 .....  
 0-3500, 5 Impulse for Jabiru.....P/N 10-00478 .....  
 0-3500, 6 Impulse for Jabiru.....P/N 10-00479 .....



ROUND

0-3500, Magneto Ignition.....P/N 10-01691 .....  
 0-3500, Coil Ignition.....P/N 10-01692 .....  
 0-8000, Magneto Ignition.....P/N 10-01693 .....  
 0-8000, Coil Ignition2.....P/N 10-01694 .....  
 0-3500, 5 Impulse for Jabiru.....P/N 10-00480 .....  
 0-3500, 6 Impulse for Jabiru.....P/N 10-00481 .....

## 2-1/4" REMOTE HEAD TACHOMETER

This tachometer is driven with power supplied by a transducer on the engine tach drive. Range 0-3500 RPM. Wt. 6 oz. Includes Gauge, sender, and tang.

Complete kit.....P/N 10-00805 .....  
 Sender only.....P/N 10-02084 .....  
 Tang only.....P/N 444-2 .....

## WESTACH TACHOMETER INSTRUMENTS



**KY3GA3-1/2A** - Tachometer 500-3,500 RPM with hour-meter kit, 3-1/8" square, 1/2 to 1 ratio. adjustable, with 303 DGT sender, 444-2 tang, 208-SS-SS cable. P/N 10-02644.....



**K3GA3-1/2A** - Tachometer 500-3,500 RPM kit, 3-1/8" square, 1/2 to 1 ratio. adjustable with 303DGT sender, 444-2 tang, 208-SS-SS cable. P/N 10-02643.....



## ELECTRONIC TACHOMETER 0-3500 RPM FOR 6 CYLINDER

UMA has one of the most extensive line of tachometers available on today's market. They manufacture tachometers for a wide variety of engines and ignition systems used in ultralights, kit planes, and most general aviation aircraft. 3-1/8"..... P/N 10-02116 .....

### FOR 4 CYLINDER -

3-1/8" 0-3500 RPM (1 Pulse)..... P/N 10-02063 .....  
 3-1/8" 0-3500 RPM (2 Pulse)..... P/N 10-00120 .....



## UMA ELECTRONIC TSO'D TACHS

Owners of Lycoming & Continental powered airplanes now have an electronic, analog alternative to the old cable driven tachometer. The new UMA tach is certified to FAA TSO C49b standards for fixed wing aircraft. The system uses a tach sender mounted on the engine in place of the mechanical cable and is connected to the indicator with a single, 3-conductor cable. The 3 1/8" indicator utilizes a high torque pivot and jewel movement. The hour meter can be factory set to start at any desired RPM point. This unit gives the pilot the analog display that is easiest to scan and provides electronic accuracy and ease of installation. Custom dial markings in color & internal Electro-Luminescent lighting are available at extra cost. UMA manufactures a complete line of TSO'd & non-TSO'd gauges & instruments in the USA.

UMA Model#	Range	Dial Marking	Part No.	Price
T19-801-10	0-3500 RPM	Black & White	10-01221	.
T19-801-11	0-3500 RPM	Green Arc 500-2700 & Red Line 2700RPM(Lyc.)	10-01222	.



## P-1000 DIGITAL TACH BY HORIZON INSTRUMENTS

Provides diagnostic and performance information about the aircraft engine and ignition system not normally available with current mechanical or electrical/electronic tachometers. Horizon instrument's P-1000 eliminates problems resulting from inaccurate tachometers: engine operation outside of allowable RPM ranges, reduced engine life, reduced fuel economy, reduced power, or propeller overspeeding - all of which can result in hazardous flying conditions. The P-1000 is STC approved for primary installation, not just secondary. Also incorporated into the P-1000 is a highly accurate engine hours clock, and an RPM Trap memory that recalls the highest RPM achieved by the engine. Both features are enabled with a touch of a button. The P-1000 is housed in a rugged, light-weight aluminum standard 3-1/8 inch "MS" style case. Installation is simple. Only four wires are connected, all of which are located under the panel! The P-1000 is the ideal aircraft tachometer, for upgrades or new designs, providing the conscientious pilot with high reliability, accurate RPM reading, and valuable diagnostic information..... P/N 10-01592.....



## TRU-TACH II DIGITAL TACHOMETER

An inaccurate tachometer can waste performance, fuel and engine life. Mechanical tachometers are notoriously inaccurate and should be checked at each annual and 100 hour inspection or any time aircraft performance is in question. The TruTach II Optical Digital Tachometer measures the true speed of your propeller from inside or outside the aircraft. Just point it at the propeller or rotor blades and TruTach II will directly display the rotational speed with a resolution of 1 RPM. No connection to aircraft systems is required and measurements may be made at any speed setting from 240 to 70000 RPM. Direct display is available for 2, 3, 4, and 5 blade propellers. Digital Signal Processing assures rock-solid display in single and multi-engine aircraft as well as helicopters. The compact 4-inch instrument weighs just 4 ounces and may be used with fast turning ultra-lights and kit plane propellers. Just turn it on, select the number of propeller blades and point. Automatic shut-off turns the unit off if you forget. The TruTach II includes an Impact resistant case and standard 9 volt battery providing 150 hours of operation. P/N 10-01021 .....



## MICROFLIGHT DUAL TACH/EGT

2" Round Gauge. Tachometer - Universal for single or dual ignition. EGT range: 700-1700°F. EGT probe (clamp type) sender included P/N 10-01628 .....



## MITCHELL D1-112-5240 ROTAX 912 TACHOMETER

Mitchell 2-1/4 Inch Mechanical Recording. FAA-TSO Approved. D1-112-5240 Special-Rotax 912 P/N 10-02744 .....

## UMA SENDING UNITS FOR TACHOMETERS

**Unit 1A3-4** Includes: Sending Unit, and .156 dia. tang adapter. 10-01706.....  
**T1A9** Magnetic pickup for Slick or Bendix Magnetos (6 ft. cable lengths)  
 Slick.....P/N 10-02432 .....  
 Bendix.....P/N 10-02433 .....



1A3-4



T1A9