**Tachometers**

**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** - Lycoming/Continental (to replace mechanical tachs) Current: 37 millamps Size: 2.25” rnd. X 2.75” deep. Magnetic pickup 6 ft. cable length) included with P/Ns 10-02141 and 10-02140 (T1A9). 6 ft. harness, sending unit, and .156 diameter tang adapter included with 10-00083 (T1A4).

- **0-3500 RPM, 4 cyl., Pulses: 1………………..P/N 10-02140 $290.95**
- **0-3500 RPM, 4 cyl., Pulses: 2………………..P/N 10-00083 $305.00**
- **0-3500 RPM, 6 cyl.………………………………..P/N 10-02141 $290.95**

**7000 Analog Tach** - Current: 37 millamps, Size: 2.25” round x 2.75” deep

- **Rotax 912…………………………P/N 10-01854 $172.75**
- **Rotax 912/914 Lt……………………P/N 10-02053 $139.95**

**UMA Electronic Tachometers**

These electronic tachometers use a 250° sweep meter movement to withstand high levels of vibration and register flight time accurately. The hour meter counts the number of engine revolutions. The hour meter can be factory set to start at any desired RPM point. This unit gives the pilot the analog tachometer that is easiest to scan and provides electronic accuracy and ease of installation. Custom dial markings in color & internal Electroluminescent lighting are available at extra cost. UMA manufactures a complete line of TSO’d & non-TSO’d gauges & instruments in the USA.

<table>
<thead>
<tr>
<th>Range</th>
<th>Description</th>
<th>Part No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-7000 RPM</td>
<td>3-1/8” For Rotax 912 Engine B &amp; W Markings, built-in hourmeter</td>
<td>10-00119</td>
<td>$280.95</td>
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<tr>
<td>0-7000 RPM</td>
<td>3-1/8” For Rotax 912 Engine Color Markings</td>
<td>10-04223</td>
<td>$310.00</td>
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<tr>
<td>0-3500 RPM</td>
<td>2-1/4” For Rotax 912 Engine Color Markings</td>
<td>10-01852</td>
<td>$197.75</td>
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<tr>
<td>0-3500 RPM</td>
<td>3-1/8” *To replace Mechanical Tachometer *(reads CW or CCW; B&amp;W Dial Only) Furnished w/mechanical sender</td>
<td>10-00120</td>
<td>$387.00</td>
</tr>
<tr>
<td>0-3500 RPM</td>
<td>3-1/8” *To replace Mechanical Tachometer *(Green Arc 500-2700 - Red 2700) Furnished w/mechanical sender</td>
<td>10-00121</td>
<td>$407.00</td>
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</tbody>
</table>

* 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

**UMA Sending Units for Tachometers**

**Unit 1A3-4**

- Sending Unit 1A3-4 only: P/N 10-01706 $139.95
- T1A9 Magnetic pickup for Slick or Bendix Magnets (6 ft. cable lengths)
  - Slick: P/N 10-02432 $117.75
  - Bendix: P/N 10-02433 $117.75

**EM8000 Tach Generator**

EM8000 Quality Tach Generator (4-pole). Aircraft tach generators measure an airplane’s engine speed electrically. By using the rotation of a magnet to emit voltage, the frequency of the voltage is measured into revolutions per minute. This rpm is then reported to the tachometer for a visual readout to the pilot.

- P/N 08-15987 $619.00

**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 airliners, kit planes, and most general aviation aircraft.

- **3-1/8”………………………P/N 10-02116 $350.00**
- **4 For Cylinder**
  - 3-1/8” O-3500 RPM (2 Pulse) P/N 10-00120 $387.00

**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 tachometer that is easiest to scan and provides electronic accuracy and ease of installation. Custom dial markings in color & internal Electroluminescent lighting are available at extra cost. UMA manufactures a complete line of TSO’d & non-TSO’d gauges & instruments in the USA.

<table>
<thead>
<tr>
<th>UMA Model#</th>
<th>Range</th>
<th>Dial Marking</th>
<th>Part No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>T19-801-10</td>
<td>0-3500 RPM</td>
<td>Black &amp; White</td>
<td>10-01221</td>
<td>$507.00</td>
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<tr>
<td>T19-801-11</td>
<td>0-3500 RPM</td>
<td>Green Arc 500-2700 &amp; Red Line 2700 RPM</td>
<td>10-01222</td>
<td>$548.00</td>
</tr>
</tbody>
</table>

**UMA Electronic Tachometer with Hourmeter**

3 1/8” Analog Tachometer with hourmeter, 4 Cylinder. 0-3500 RPM. Records engine rpm over a set RPM point. Standard set point is 1800 RPM. Engine Type: Continental/Lycoming. TSO’d Magnetic pickup for Slick or Bendix Magnets (6 ft. cable length), alternative to p-lead connections.

- For Bendix Mags……………………P/N 10-04867 $350.00
- For Slick Mags……………………P/N 10-04868 $350.00

**Tru-Tach II Digital Tachometer**

Mechanical tachometer are notoriously inaccurate. The Tru-Tach 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 Tru-Tach 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. Automatic shut-off turns the unit off if you forget. Includes 9 volt battery providing 150 hours of operation. P/N 10-01021 $194.00

**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.

- Sender only…………………………P/N 10-02084 $218.95
- Tang only................................P/N 444-2 $8.50

**Westach Tachometers**

**K3GA3-1/2A** - 500-3,500 RPM with hourmeter kit, 3-1/8” sq., 1/2 to 1 ratio, adjustable, with 303 DGT sender, 444-2 tang, 208-SS-SS cable.

- P/N 10-02644 $478.00

**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. Does not come with a sender…………………….. P/N 10-02643 $204.95

Made in the U.S.A

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