

# UMA ENGINE GAUGES



## UMA 2-1/4" ELECTRONIC OIL PRESSURE 270° GAUGE

Electronic Oil Pressure Gauges connect to a pressure transducer and connects to the gauge with wires. Standard dial markings are black and white.

2-1/4 inch  
**UMA Electronic**  
Oil Pressure Gauge  
Case: Valox 420  
Plastic  
Weight: 4.7 oz.

- 2-1/4", 0-60 PSI, TSO'd... P/N 10-02415..... ---
- 2-1/4", 0-80 PSI, TSO'd... P/N 10-02416..... ---
- 2-1/4", 0-100 PSI, TSO'd... P/N 10-02417..... ---
- 2-1/4", 0-100 PSI..... P/N 10-02424..... ---
- 2-1/4", 150 PSI..... P/N 10-02761..... ---

**SENDER NOT INCLUDED  
SEE NEXT PAGE FOR SENDERS**



## DATCON OIL PRESSURE SENDER

Thread sizes: 1/8"-27 NPTF, #10-32 terminals, Common ground through mounting thread, 0-80 psi/0-5 bar range and 240-33.5 Ohms..... P/N 10-05329..... ---



## UMA ELECTRONIC FUEL PRESSURE 270° GAUGE

Electronic Fuel Pressure Gauges connect to a pressure transducer and connects to the gauge with wires. Standard dial markings are black and white.

2-1/4 inch  
**UMA Electronic**  
Fuel Pressure Gauge  
Case: Valox 420  
Plastic  
Weight: 4.7 oz.

- 2-1/4", 0-7 PSI, TSO'd..... P/N 10-02412..... ---
- 2-1/4", 0-15 PSI, TSO'd... P/N 10-02413..... ---
- 2-1/4", 0-60 PSI, TSO'd... P/N 10-02414..... ---
- 2-1/4", 0-30 PSI..... P/N 10-02422..... ---

**SENDER NOT INCLUDED  
SEE NEXT PAGE FOR SENDERS**



## UMA ELECTRONIC 2-1/4" HYDRAULIC PRESSURE 270° GAUGE

Electronic Hydraulic Pressure gauge connects to a precision, high pressure transducer which mounts directly to the aircraft's hydraulic system. Standard markings are black and white. 2-1/4", 0-2000 PSI, TSO'd..... P/N 10-02459..... ---

2-1/4 inch  
**UMA Electronic**  
Hydraulic Pressure Gauge  
Case: Valox 420  
Plastic Weight: 4.7 oz.

**SENDER NOT INCLUDED  
SEE NEXT PAGE FOR SENDERS**



## UMA 2-1/4" ELECTRONIC OIL TEMPERATURE 270° GAUGE TSO'D

These rugged aircore gauges work with either thermocouple or thermister probes. Standard markings are black and white.

2-1/4 inch  
**UMA Electronic**  
Oil Temperature Gauge  
Case: Valox 420  
Plastic Weight: 4.8 oz.

- 100-300° F, TSO'd..... P/N 10-02443..... ---

**SENDER NOT INCLUDED  
SEE NEXT PAGE FOR SENDERS**



## UMA ELECTRONIC 2-1/4" CHT 270° GAUGE

These gauges are available for either thermocouple or thermister probes. Standard markings are black and white.

P/N 10-02057

- 2-1/4", 100-300 °F - compatible with VDO  
P/N 10-02426..... ---
- 2-1/4", 100-600 °F - 90° sweep for use with thermo-  
couple powered aircraft... P/N 10-02429..... ---

- 2-1/4", 100-600 °F - 270° sweep for use with internal powered aircraft  
P/N 10-02057..... ---

### TYPE J CHT PROBES

- 10mm Spark Plug Ring..... P/N 10-00960..... ---
- 12mm Spark Plug Ring..... P/N 10-00961..... ---
- 14mm Spark Plug Ring..... P/N 10-00962..... ---
- 18mm Spark Plug Ring..... P/N 10-00963..... ---

### UMA TSO'D TEMPERATURE PROBES

- T3B1 1/8 NPT TSP Type K with 6' Lead..... P/N 10-05164..... ---
- T3B2 3/8-24 TSO Type K with 6' Lead..... P/N 10-05165..... ---
- T3B3 5/8-18 TSO Type K with 6' Lead..... P/N 10-05166..... ---
- T3B3A 5/8-18 TSO Type K with 6' Lead..... P/N 10-05167..... ---
- T3B11 1/4-18 TSO Type K with 6' Lead..... P/N 10-05168..... ---



## UMA ELECTRONIC 2-1/4" WATER TEMPERATURE 270° GAUGE

2-1/4 inch UMA Electronic (UMA P/N T12212U300-F000) Water Temperature Gauge Range: 100-300°F TSO2-1/4", 100-300°F TSO'd.

P/N 10-02428..... ---

## UMA ELECTRONIC 2-1/4" CARBURETOR AIR TEMPERATURE 270° GAUGE

These gauges use either thermistor or electronic sensors. Standard markings are black and white.

- 2-1/4", -60-120 °F TSO'd... P/N 10-04670..... ---
- 2-1/4", -20-120 °F..... P/N 10-02391..... ---



## UMA TSO'D 2-1/4" CARBURATOR AIR TEMPERATURE GAUGE

TSO'd Carburetor Temperature 2 1/4" gauge. Range from -60 - 120°F. **Note:** This is the standard black and white gauge. For color range markings as shown you must add the color range markings part no. to your order..... P/N 10-03465..... ---

UMA Color Range Markings..... P/N 10-02792..... ---

## UMA 2-1/4" ELECTRONIC MANIFOLD PRESSURE 270° GAUGE

Electronic Manifold Pressure gauges connect to a pressure transducer which connects to the aircraft's engine and indicates the absolute pressure in the intake manifold of the aircraft. These units are very precise and avoid plumbing issues. Standard markings are black and white.

- 2-1/4", 5-35 IN. HG..... P/N 10-02389..... ---
- 2-1/4", 5-50 IN/ HG..... P/N 10-02390..... ---

**SENDER NOT INCLUDED SEE NEXT PAGE FOR SENDERS**



## UMA 2-1/4" ELECTRONIC OUTSIDE AIR TEMPERATURE

The digital Outside Air Temperature (O.A.T.) is available in either Fahrenheit or Celsius. Standard models use a Red LED display.

- 2-1/4", -40-60 °C, 270°..... P/N 10-02387..... ---
- 2-1/4", -40-140 °F, 270°..... P/N 10-02388..... ---

**SENDER NOT INCLUDED SEE NEXT PAGE FOR SENDERS**

## UMA DUAL AMP/VOLTMETERS

These 2-1/4" dual amp voltmeters are ideal for any aircraft where panel space is limited. Amperage is displayed at all times, and simply push a button to display voltage. Complete with gauge and shunt. Voltage range 0-30 volts.

- Range: 30 amp..... P/N 10-14680..... ---
- 60 amp..... P/N 10-14685..... ---
- 80 amp..... P/N 10-14690..... ---
- 100 amp..... P/N 10-14695..... ---
- 0-150 amp..... P/N 10-00082..... ---

UMA Optional internal lighting..... P/N 11-07239..... ---

## AMMETERS

These new manufactured ammeters offer accuracy, rugged construction, and contemporary styling. Made in U. S. A. Furnished with shunt. Size: 2-1/4".

- Range: 0-30 (0 center).... P/N 10-14650..... ---
- 0-60 (0 center).... P/N 10-14655..... ---
- 0-80 (0 center).... P/N 10-14660..... ---
- 0-100 (0 center).. P/N 10-02788..... ---

## REPLACEMENT UMA AMMETER SHUNTS 30/60/80/100AMP

UMA Ammeter shunt 30AMP, 60AMP, 80AMP, and 100AMP.

- Shunt 30AMP 1C1..... P/N 10-02072..... ---
- Shunt 60AMP 1C2..... P/N 10-02073..... ---
- Shunt 80 AMP 1C3..... P/N 10-02352..... ---
- Shunt 100AMP 1C4..... P/N 10-02074..... ---

## UMA NON-CERTIFIED LIGHT INVERTER

UMA 24/28v & 12/14v DC TO 120 VAC/400 hz Light Inverter large capacity. Non FAA/PMA

- 12/14 Volt..... P/N 10-07131..... ---
- 24/28 Volt..... P/N 10-07132..... ---

## UMA OPTIONAL INTERNAL LIGHTING

Optional internal lighting for all UMA 2-1/4", 3-1/8" instruments (except altimeter). This is just a lighted option. Order the instrument in addition to the internal lighting..... P/N 11-07239..... ---

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