



1 1/4 and 2 1/4 INCH ELECTRICAL PRESSURE INDICATOR
[T04 X1XX XXXX XXX], Meets TSO C47 & RCTA/DO-160D requirements

Limitations:

Instrument can be installed in any single or multi-engine, reciprocating or turbine fixed wing aircraft .

To be installed in an internal section of the aircraft.

Maximum operating temperature range from (-55)°C to 70°C.

Maximum altitude 25,000 feet.

Must be installed with fully shielded wiring that meets or exceeds MIL-W-16878D Type B/N, 24 AWG, or equivalent. (May be purchased from UMA, Inc. or assembled by the customer).

When internally lit, power for the light must be provided by UMA Part # 10-700-xx inverter, and connected to the DC buss by means of a dimmer. Where the internally lit gauge is installed in a location other than the pilot's panel, a separate means of dimming shall be provided to allow illumination level acceptable to the pilot.

Installation Instructions:

- **All connections are to be made in accordance with AC 43.13.**
- **Additional wire and fuses may be necessary for installation of unit.**
- **Keep all wire and unshielded areas to a minimum.**

1. Mount indicator in desired location in aircraft's instrument panel.
2. Install pressure sensor in proper location. Connect the 9-pin connector (on the harness) to the instrument and connect the 8 foot length of 3 conductor wire to the sender (Refer to Installation Instructions of Sender for details).
3. Once harness is in place, connect black wire extending from harness to the common ground of the aircraft. Next, connect red (or white) wire from harness to the switch side of master switch. Use a one (1) amp fuse inline between the power source and the instrument, or use power from fuse/breaker panel. Use #24 AWG (or larger) for all connections and keep the unshielded portion of all connections to an absolute minimum (4" or less).

Specifications:

Description:	Type II, Remote-indicating electronic pressure instrument built to meet or exceed AS 408B standards as per TSO C47 & RCTA/DO-160D
Supply Voltage:	12-28 Volts DC (Nominal) 10-32 Volts DC (Max)
Current Draw:	100 mA (Maximum)
Weight:	4 oz.

Warranty

UMA, Inc. warrants all products to be free from defects in material and workmanship under normal use and operation. UMA does not warrant any product which has been damaged as the result of accident, abuse, negligence, improper operational voltage, lightning, fire, flood, or other acts of nature. Any indication that the unit has been opened can void warranty. Under no circumstances shall UMA be liable for any loss or damage, direct, consequential or incidental, arising from the use of or inability to use this product.

This warranty is limited to the repair or replacement, at the manufacturer's option, of any product or part thereof, which has been returned to UMA within the specified warranty period, and which after examination shall disclose to the customer service department's satisfaction that the product is defective. Transportation to the factory or authorized service center must be prepaid; the product after repair or replacement, will be returned at the expense of the dealer or end customer. This warranty does not apply to any product or integral part thereof, which has been altered or serviced by other than the manufacturer or authorized service center.

The warranty period is twelve (12) months to the user.

This warranty supersedes all other warranties either expressed or implied and shall be governed and executed under the laws of the Commonwealth of Virginia, USA

UMA carries a full line of engine instruments available in 1 1/4" or 2 1/4" sizes. Including many temperature and pressure types and ranges, along with other indicators such as Voltmeters, Ammeters, Flap Position Indicators, and Fuel Level Indicators.

