



OIL PRESSURE FOR ROTAX ENGINES 912/914 WITH VDO SENDER. Diameter 52mm. °C. IM-532

Preface

The IM-532 instruments have been designed especially to measure the Oil Pressure in Rotax® engines 912/914.

The IM-532 is available in 52 mm size.

The instruments have been designed to work with both 12V and 24V systems.

The minimum instrumentation requirements for BRP ROTAX® four stroke engines include a gauge for continuous Oil Pressure monitorization.



General Information

ATTENTION : The IM-532 has not undergone any safety or durability examination to Civil Aviation standards but does incorporate the latest technical development and has been thoroughly tested. Despite the Tachometer being a precision instrument, false indication or misinterpretation of data could occur. By utilizing this instrument the user acknowledges the possible danger and responsibility for all risks.

State of receipt

- Instruments packed in a plastic bag
- 4 attachment screws
- 3 Loose plugs

Technical data

| | |
|--------------------|---|
| Case: | Plastic |
| Weight: | 220g |
| Suitable for: | Rotax 912 VDO Sender |
| Power Supply: | 10..30VDC |
| Power Current: | 0.1 Amp. Max. |
| Scale: | 0..8 Bar |
| Subdivision scale: | 0.25 Bar |
| Max. Deviation: | 2% |
| Dimensions: | See sketch |
| Calibration: | Calibrated by the manufacturer prior to shipment. |

| | |
|--------------|-------------------------------|
| Red Zone* | From 0 to 0.8 and 7 to 8 Bar. |
| Yellow Zone* | 0.8 to 2 Bar & 5 to 7 Bar |
| Green Zone* | 2 to 5 Bar |

*Please refer to the updated User Manual of your engine BRP-ROTAX® engine for the operational limits

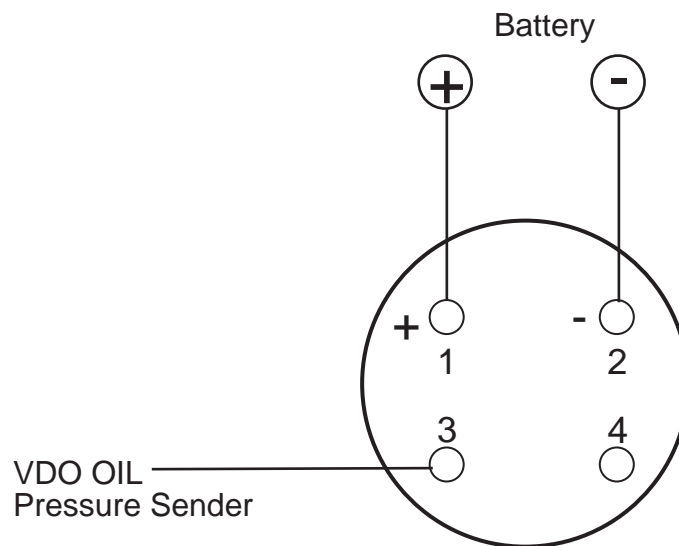
Installation Instructions

- Install instruments in pilot's field of vision, free from vibration and glare.
- Protect the instruments against dampness and any kind of gasoline or acid.
- Pay attention to installation dimensions
- Wiring has to be carried out with good quality plastic-sheathed cable.
- When routing cables, prevent possible damage to cables from heat, vibration, shearing or crushing.
- Install a breaker or fuse of 1 Amp.

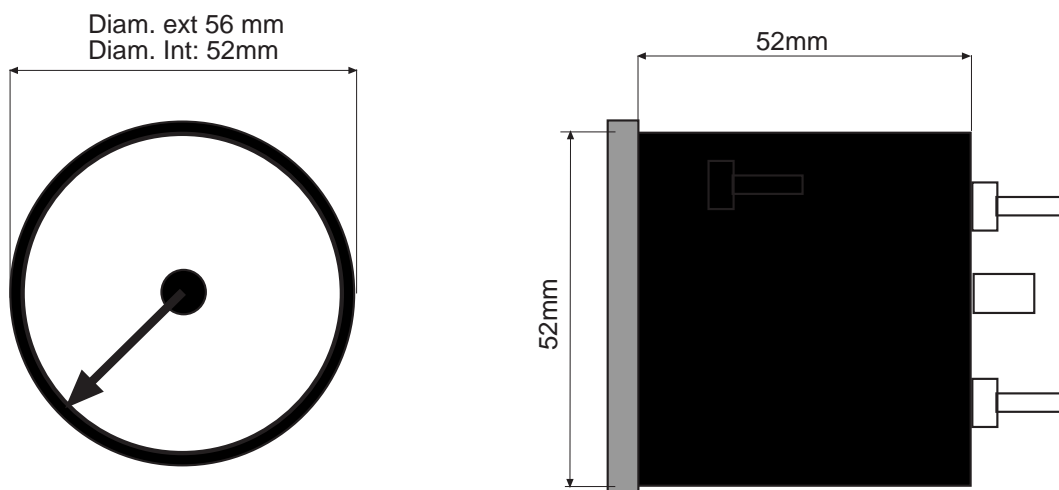
Instruments Terminals

- 1) (+) Red wire to positive terminal of battery.
- 2) (-) Black wire to negative terminal of battery.
- 3) Input to the Oil Pressure Sender.
- 4) Factory calibration input.

Wire Connections

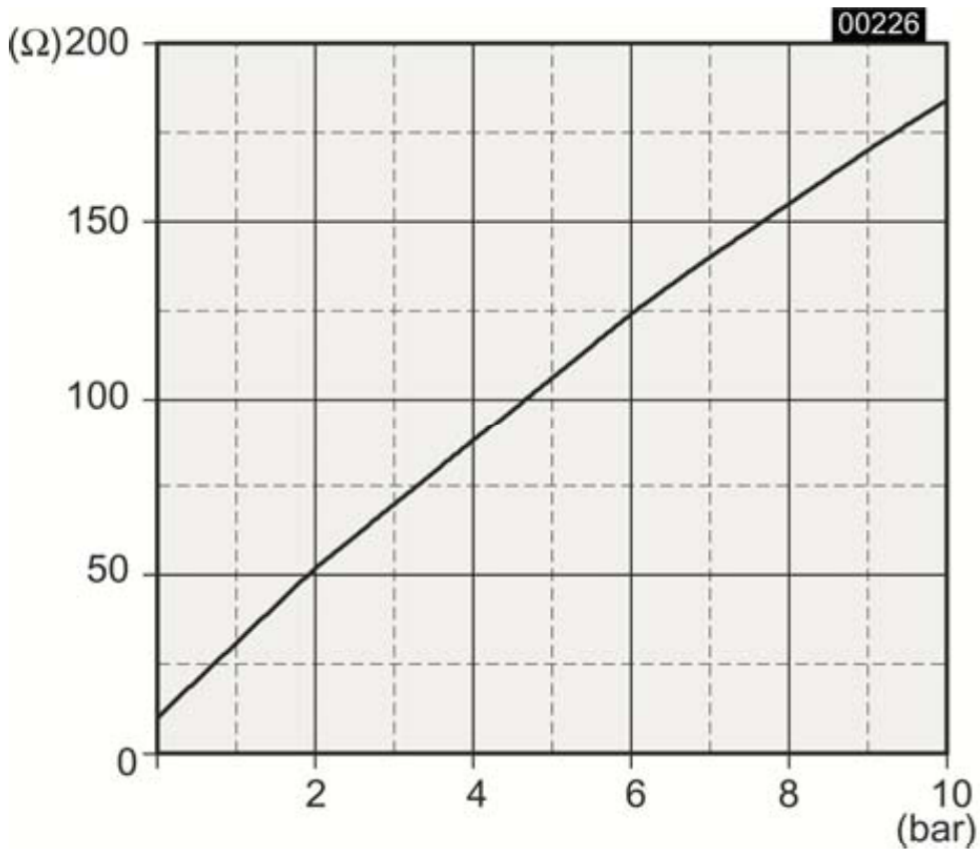
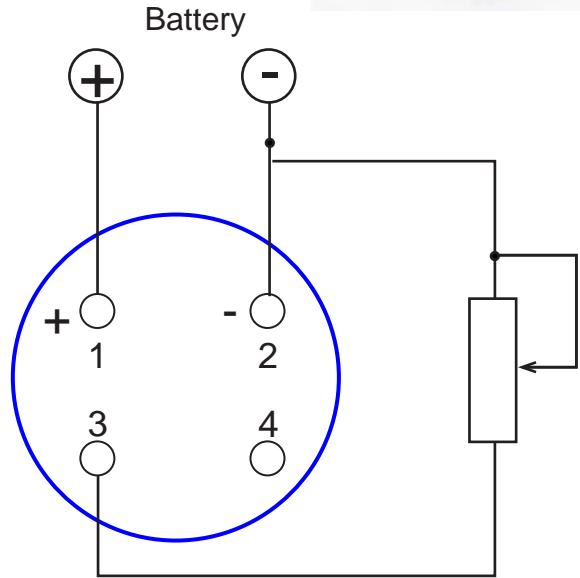
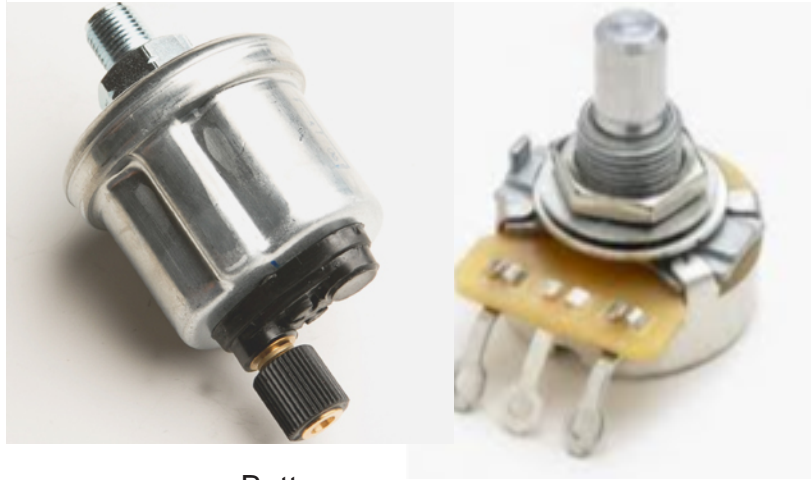


Dimensions



Test & Calibration

The OIL Pressure VDO sender is a resistance which varies with the Oil Pressure. To check the instrument you need a 200 Ohm potentiometer and a multimeter. Adjust the potentiometer to the multimeter read 88 Ohm. Being careful not to turn the potentiometer, connect according to Figure 1. With 88 Ohm, the instrument should show 4 Bar. Try with other resistance values.



| BAR | OHM |
|-----|-----|
| 0 | 10 |
| 1 | 32 |
| 2 | 52 |
| 3 | 70 |
| 4 | 88 |
| 5 | 106 |
| 6 | 124 |
| 7 | 140 |
| 8 | 154 |