

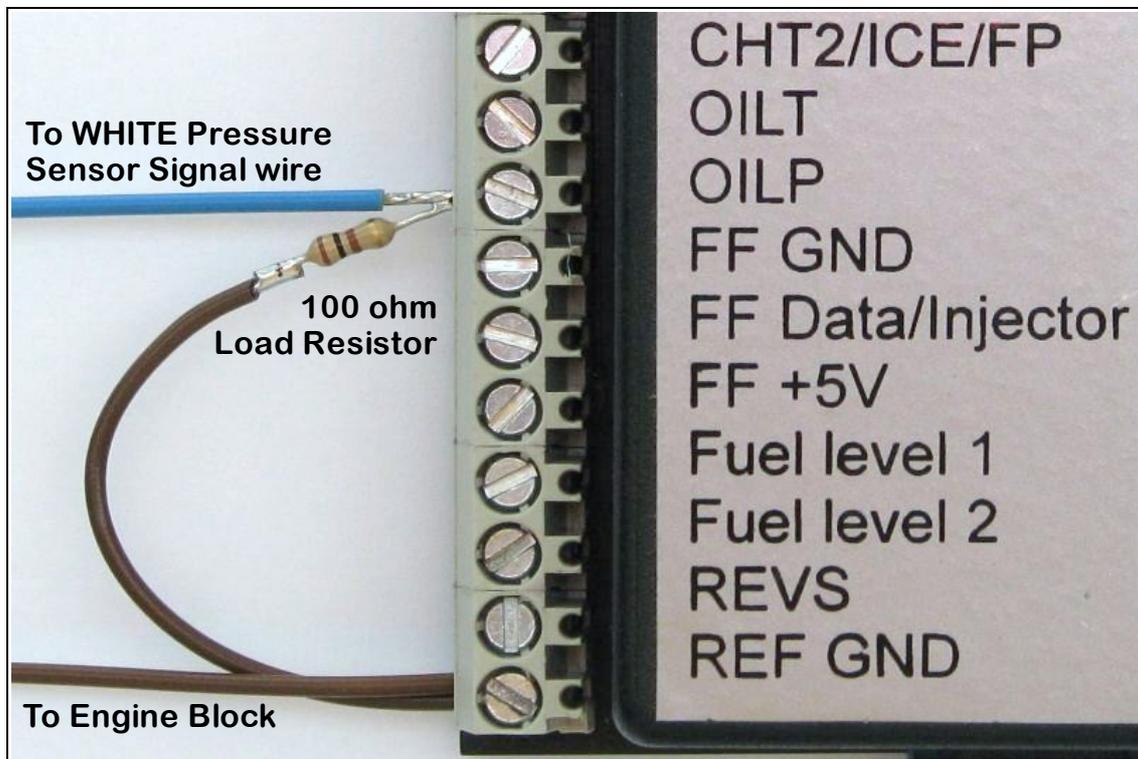
Installation of the Rotax Oil Pressure Sensor

and corresponding MGL Avionics Stratomaster EFIS setup

The Rotax Oil Pressure Sensor is designed to output current proportional to the pressure being measured. The sensor will output 4mA at 0 bar, and 20 mA at 10 bar. The pressure sensor has two wires: one White and one Black wire. The Black wire must be connected to the battery positive (+12-30Vdc). The White wire is the signal output and go to the RDAC.

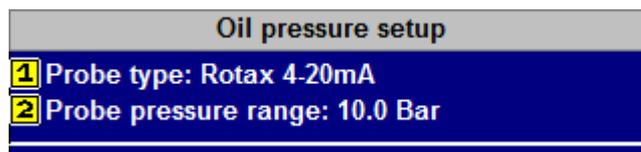
A 100 ohm load resistor (with a power rating of larger or equal to 0.25W) needs to be fitted between the Oil pressure input / signal output (white wire) and ground. The color bands of a typical 100 ohm resistor would be “brown, black, brown”.

Find below an example installation with a RDAC VD. Note: the Oil Pressure sensor needs to be powered using 12V (not shown here). Care should be taken to insulate exposed signal and power connections / wires / joints – for example the 100 ohm resistor joints.



Example installation: 100 ohm load resistor fitted to RDAC VD

On the EFIS, under System Setup, Engine Setup, Oil Pressure Setup, select the “Rotax 4-20mA” probe type, and under “Probe pressure range: 10.0 Bar”.



Contact your local distributor if any further information is required.

Date: 2009/04/16