



KYB2003A03 Engine Oil Pressure and Temperature Sensors

Description

KYB2003A03 can display the oil pressure on the pressure gauge by measuring the engine oil pressure and output to ECU. ECU will alarm and take steps to protect the engine, when the oil pressure is too low.

Applications

Engine oil pressure and temperature measurement

Driver Pointer meter deflection

Driver warning lamp function

Features:

- ◆ Multi-signal, multi-drive
- ◆ High overload, range up to 5 times FS, anti-shock
- ◆ Precision / digital compensation
- ◆ No internal O- rings
- ◆ Response the temperature of oil fast



Specifications

Parameter	Value	Unit
Supply Voltage	5	VDC
Threaded Interface	NPT1/4	--
Media	Oil	--
Operating Temperature	-40~125	°C
Pressure Range	0~1	MPa
Performance guarantee pressure	5.0	Mpa
Burst Pressure	20.0	Mpa
Output Voltage	0.5~4.5	VDC
Error in working temperature range	±5.0	%FS

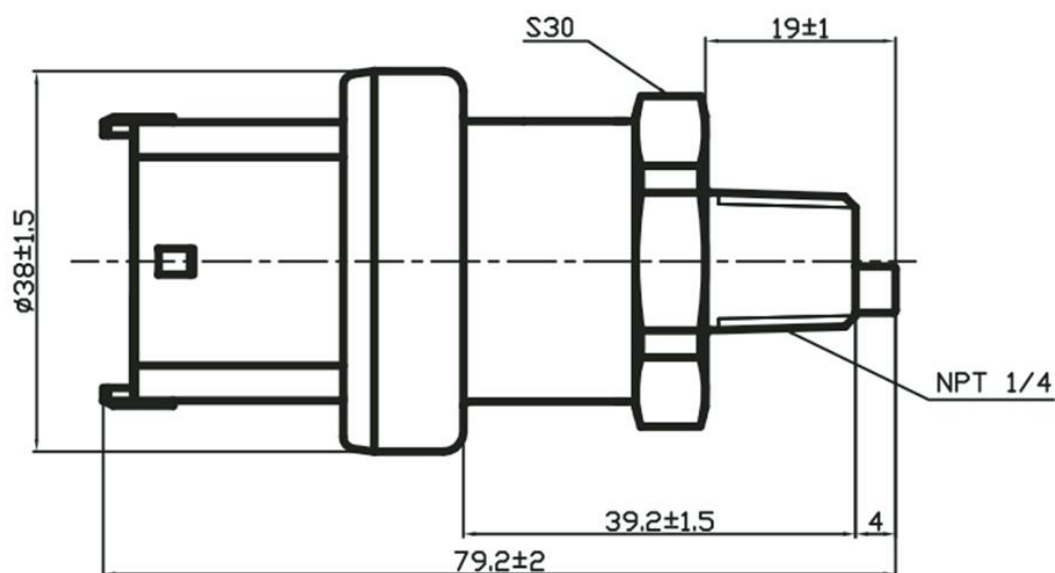


Resistance of temperature sensor at room temperature	2. 0	KΩ
B Value of temperature sensor(B25/50)	3500	--
Operating current (5V power supply section)	<20	mA
Long-term Stability	±0.5	%FS/year
Pressure response time(T10/90)	<2	ms
Temperature response time (T63)	<45	s
Alarm Pressure	0.07~0.09	Mpa

Application Description:

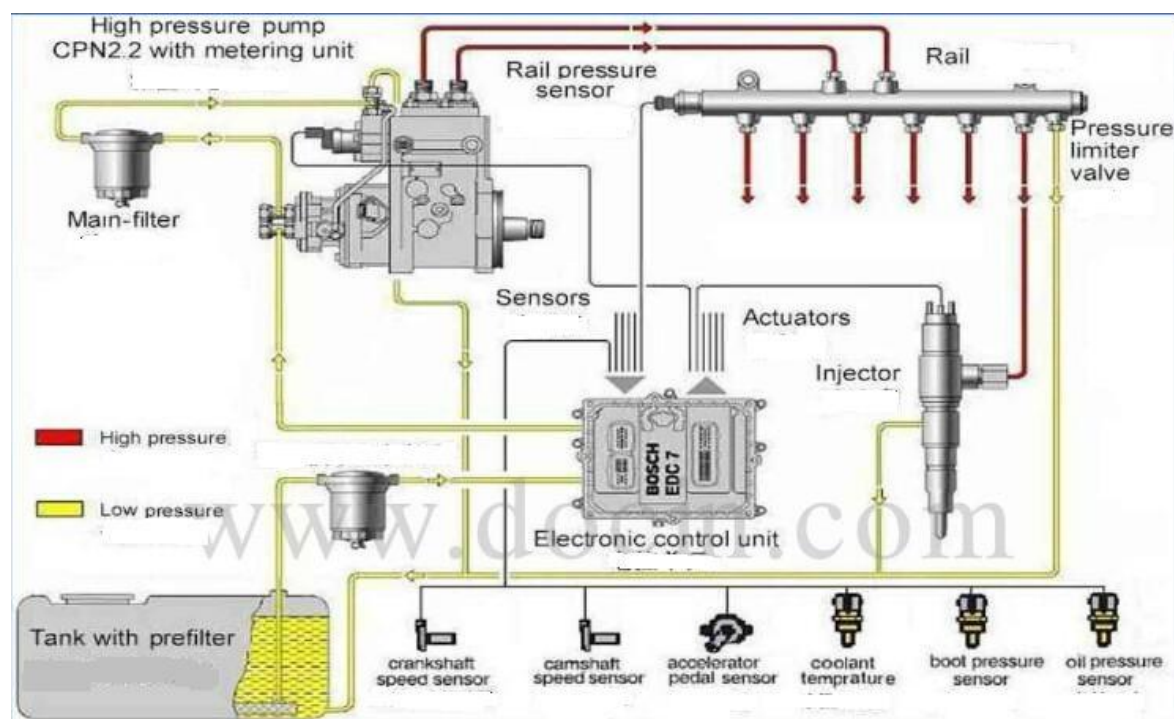
KYB2003A03 oil pressure and temperature sensors are widely used in gasoline and diesel engine oil pressure and temperature testing, which have been successful matching for Guangxi Yuchai diesel engines and other OEMs.

Product Diagram





Application picture:



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