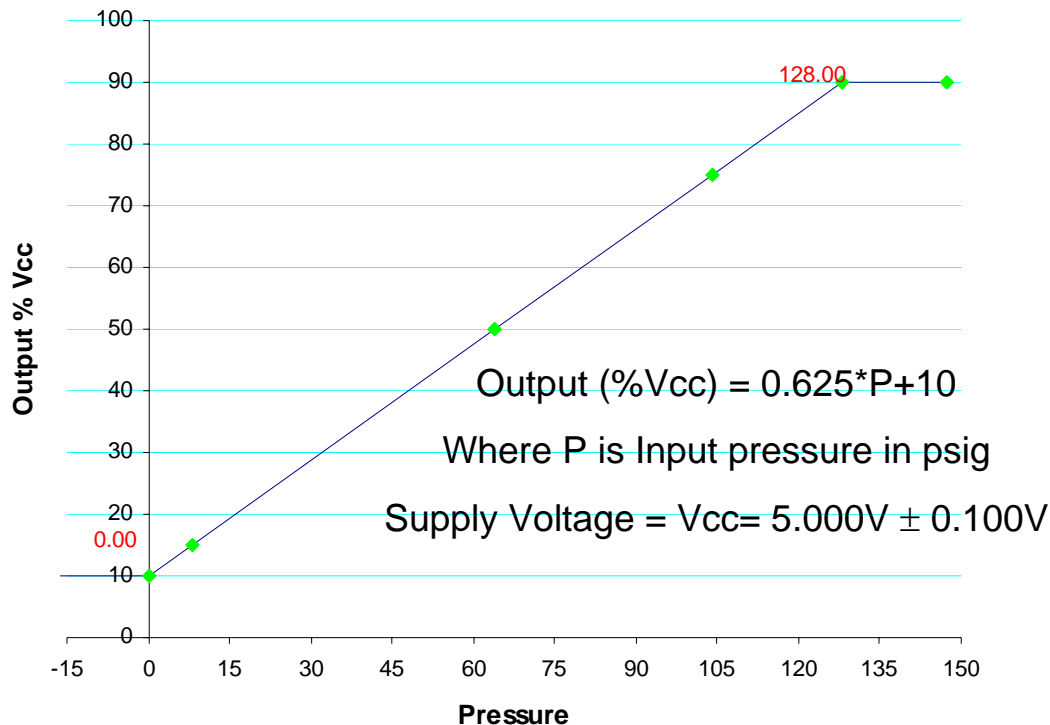


Pressure Transducer Specifics

APPLICATION:	Oil Pressure Sensor
OPERATING PRESSURE RANGE:	0-128 psig
PRESSURE REFERENCE:	Vented to Atmospheric Pressure
TEMPERATURE RANGE:	-40° to 150° C
PRESSURE TRANSFER FUNCTION:	Output (%Vcc) = $0.625 \cdot P + 10$ Where P is Input Pressure in psig Supply Voltage = Vcc= 5.000V \pm 0.100V
OUTPUT VOLTAGE RANGE:	10% - 90% of Vcc
MEASUREMENT TECHNOLOGY:	Ceramic Capacitive
CONNECTOR:	3 Pin Packard (Red = 5.000V, Black = Gnd, Green = Signal out)
PORT FITTING:	¼-18NPTF external threaded Brass C36000
ACCURACY REQUIREMENT:	+/- 1.6%Vcc over all Temps and Pressures
INTERNAL GASKET MATERIAL:	Fluorosilicone, acceptable for air with moisture.

Pressure Transducer Specifics

APT %Vcc Output vs Pressure



Sensor Output is Ratiometric with Supply Voltage (Vcc).

- For example at 62psig the sensor output will be equal to 50% of the supply voltage.
- When $V_{cc} = 5.000V$ then the output voltage will be 2.500V.
- But if $V_{cc} = 5.100V$ then the output will be 2.550V.
- The best way to use the sensor is to use the output as a % of Vcc.