

# XGZP6161 Pressure Transducer

## Feature

- Firm construction, Easy installation
- 90%Vdd equal proportion analog signal output
- Advanced Anti-interference, wave protection
- Prefect Anti-shock, anti-overload, corrosion-resistant
- Isolation Diaphragm, Ceramic Sensor element
- Low cost for high volume application



## Applications

- Water pump, frequency-alterable constant voltage water supply, building automatic control, Water Treatment system, Hydraulic pressure monitoring etc.,.
- HVAC controlling (Heating, Ventilation and Air Conditioning), Air conditioner, Refrigeration, process controlling, hydraulic pressure monitoring ,etc.
- Other pressure measure and control of petroleum, chemi-industry, metallurgy, power station, hydrology.etc.,.

## Introduction

XGZP6161 Pressure Transducer is high performance and low cost products. It is structured by Piezo-resistive ceramic pressure sensor as signal sensing element, adopt the special ASCII amplifier circuit and stainless steel housing, the XGZP6161 Transducer is integrally temperature compensated and linearity corrected, which effectively resist water hammer effect and transient over-voltage, etc. It can meet the requirement of measure and control under complex environment. Through strict component making, semi-finished product and all-finished product testing and aging, the Transducer is stable and reliable, having excellent consistency and sensitivity.

The XGZP6161 Transducer provide various output mode and pressure interface, the OEM service can meet extremely clients application requirement.

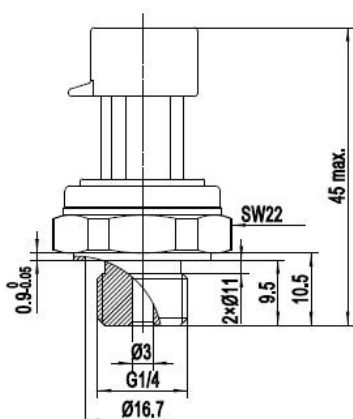
## Pressure Range (100kPa=0.1mPa=1Bar≈14.5PSI)

Range	Unit	Range	Unit	Range	Unit
0 ~ 0.5	mPa	0 ~ 75	PSI	0 ~ 5	Bar
0 ~ 1	mPa	0 ~ 150	PSI	0 ~ 10	Bar
0 ~ 1.6	mPa	0 ~ 240	PSI	0 ~ 16	Bar
0 ~ 2	mPa	0 ~ 300	PSI	0 ~ 20	Bar
0 ~ 2.5	mPa	0 ~ 375	PSI	0 ~ 25	Bar
0 ~ 3	mPa	0 ~ 450	PSI	0 ~ 30	Bar

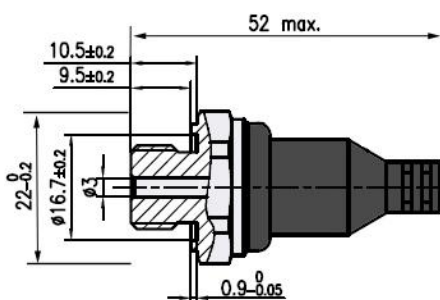
## Performance Parameter

Item	Data	Unit
Accuracy(non-lin., rep. and hys.)	±0.5,±1.0,±2.0	%Span
Zero Thermal Drift	±0.03	%FS/°C
Span Thermal Drift	±0.03	%FS/°C
Long Term Stability(1 Year)	±1	%Span
Insulation Impedance (250Vdc)	50	MΩ
Over pressure	2×	Rated
Burst Pressure	3×	Rated
Pressure Circulation(Zero- Span)	1	Million
Compensation Temp.	0 ~ 85/32~176	°C/°F
Operating Temp.	0 ~ 85/32~176	°C/°F
Storage Temp.	-40 ~ 125/-40~257	°C/°F
Housing Material	304 Stainless Steel	
Socket Connector	Plastic	
Protection Grade	IP67	
General condition:Power Input:3.3- 5.5VDC&Reference Temp.: (25±1)°C/(77±1.8)°F		

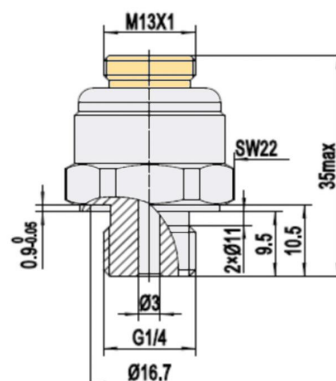
## Dimension (Unit:mm)



Parkard



Flying Lead

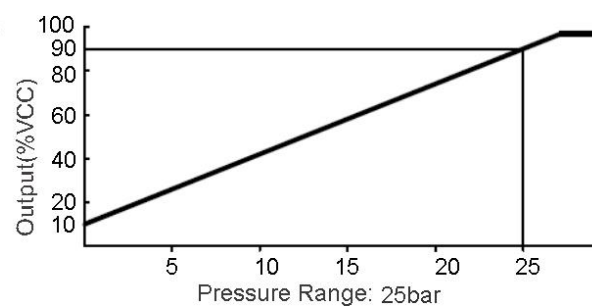
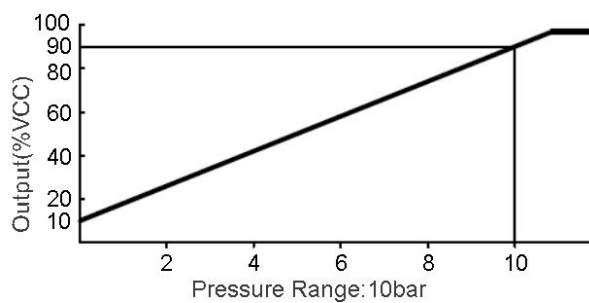


Aviation Plug

## Electrical Connection&Definition

PIN Code	Cable	Elec-Definition(3wire)
1	Red Wire	Power: +V
2	Green Wire	Signal:OUT
3	Black Wire	GND

## Performance Characteristics



## Order Guide

XGZP6161 1 A 4 000 6 10 B S

