

PRESSURE SENSOR

WITHOUT GLASS BASE PRS3020S

- Rated Pressure: 40kPa
- Drive Current: 1mA
- Bridge Resistance: 5kΩ
- Offset Voltage: ±10mV
- Span Voltage: 75mV
- Linearity: ±0.15%FS
- Pressure Hysteresis: ±0.3%FS

Circuit

Pad Layout

WITH GLASS BASE PRS3040R PRS3070R

- Rated Pressure: PRS3040R: 100kPa, PRS3070R: 1,000kPa
- Drive Current: 1.5mA
- Bridge Resistance: 5kΩ
- Offset Voltage: ±20mV
- Span Voltage: 100mV
- Linearity: ±0.3%FS
- Pressure Hysteresis: PRS3040R: ±0.2%FS, PRS3070R: ±0.4%FS

Circuit

Pad Layout

PRESSURE INLET HOLE LENGTH: 3mm PRS40□0

- Drive Voltage: DC5V
- Offset Voltage: 0.5V
- Except: PRS4000: DC2.5V
- Rated Output Voltage: 4.5V
- Consumption Current: 10mA Max.

Part No.	Pressure	Part No.	Pressure
PRS4000	±100 kPa	PRS4050	200 kPa
PRS4010	-100 kPa	PRS4060	500 kPa
PRS4040	100 kPa	PRS4070	1,000 kPa

Circuit

Pad Layout

PRESSURE INLET HOLE LENGTH: 5mm PRS50□0

- Drive Voltage: DC5V
- Offset Voltage: 0.5V
- Except: PRS5000: DC2.5V
- Rated Output Voltage: 4.5V
- Consumption Current: 10mA Max.

Part No.	Pressure	Part No.	Pressure
PRS5000	±100 kPa	PRS5050	200 kPa
PRS5010	-100 kPa	PRS5060	500 kPa
PRS5040	100 kPa	PRS5070	1,000 kPa

Circuit

Pad Layout

PRESSURE INLET HOLE LENGTH: 3mm PRS40□0D

- Drive Voltage: DC5V
- Offset Voltage: 0.5V
- Except: PRS4000D: 2.5V
- Rated Output Voltage: 4.5V
- Consumption Current: 10mA Max.

Part No.	Pressure	Part No.	Pressure
PRS4000D	±100 kPa	PRS4040D	100 kPa
PRS4010D	-100 kPa	PRS4050D	200 kPa
PRS4020D	25 kPa	PRS4060D	500 kPa
PRS4030D	50 kPa	PRS4070D	1,000 kPa

Circuit

Mounting Hole Layout

PRESSURE INLET HOLE LENGTH: 5mm PRS50□0D

- Drive Voltage: DC5V
- Offset Voltage: 0.5V
- Except: PRS5000D: 2.5V
- Rated Output Voltage: 4.5V
- Consumption Current: 10mA Max.

Part No.	Pressure	Part No.	Pressure
PRS5000D	±100 kPa	PRS5040D	100 kPa
PRS5010D	-100 kPa	PRS5050D	200 kPa
PRS5020D	25 kPa	PRS5060D	500 kPa
PRS5030D	50 kPa	PRS5070D	1,000 kPa

Circuit

Mounting Hole Layout

PS TYPE PRS8100

- Bridge Resistance: 5kΩ
- Drive Current: DC1.5mA
- Output Span Voltage: 40~100mV
- Offset Voltage: ±20mV
- Linearity: ±0.3%~±0.7%FS
- Pressure Hysteresis: ±0.2%~±0.6%FS

Part No.	Pressure	Part No.	Pressure
PRS8100	4.9 kPa	PRS8160	343.2 kPa
PRS8120	34.3 kPa	PRS8170	490.3 kPa
PRS8130	49.0 kPa	PRS8180	833.6 kPa
PRS8140	98.1 kPa	PRS8190	980.7 kPa
PRS8150	196.1 kPa		

Circuit

Mounting Hole Layout

PS TYPE PRS8200

- Bridge Resistance: 5kΩ
- Drive Current: DC1.5mA
- Output Span Voltage: 40~100mV
- Offset Voltage: ±20mV
- Linearity: ±0.3%~±0.7%FS
- Pressure Hysteresis: ±0.2%~±0.6%FS

Part No.	Pressure	Part No.	Pressure
PRS8200	4.9 kPa	PRS8260	343.2 kPa
PRS8220	34.3 kPa	PRS8270	490.3 kPa
PRS8230	49.0 kPa	PRS8280	833.6 kPa
PRS8240	98.1 kPa	PRS8290	980.7 kPa
PRS8250	196.1 kPa		

Circuit

Mounting Hole Layout