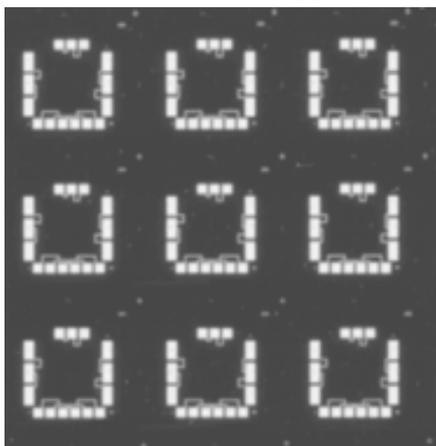


PRESSURE SENSOR VP SERIES



FEATURES

- High sensitivity
- Media compatible with noncorrosive gases and moist air
- Excellent linearity
- High reliability
- High pressure overload
- Each sensor is shipped with its specific calibration card. The card lists the resistor values setting the zero offset and full scale output voltages in addition to optimizing the sensor performance for various temperatures.

ABSOLUTE MAXIMUMS:

Operating temperature range: (-50 do +120)°C

Storage temperature range: (-50 do +150)°C

Pressure overload: 3x nominal

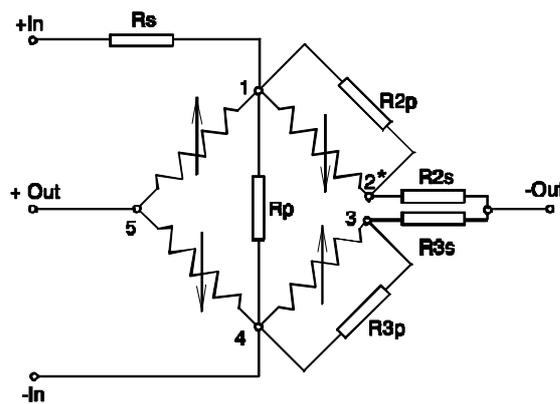
Supply current: up to 3 mA

SPECIFICATIONS

- Ambient temperature 22°C, unless otherwise stated
- Operating pressures range: 25/100/200/500/1000 bar absolute, relative and differential.

Parameter	typical	min	max	Units	Note
Output voltage	100	80	150	mV	at 2 mA
Offset voltage	±10		±30	% PS	Noncomp. sensor
Nonlinearity	0.1		0.15	% PS	Dev. from best straight line
Bridge resistance	2500	2000	3000	Ω	500 to 5000 Ω on request
Temp. coeff. of offset voltage	0.01		0.02	% PS/°C	Compensated
Temp. coeff. of sensitivity	±0.01		±0.05	% /°C	Compensated
Hysteresis, repeatability	0.01		0.02	% PS	
Supply current	2		3	mA	
Compensated temper. range		-30	+80	°C	Other ranges upon request

DIMENSIONS AND SCHEMATICAL DRAWING



Recommended circuitry for temperature effect and offset compensation