



PS3G



Pressure Range (psi)	Catalog Number
0-150	PS3G-05
0-750	PS3G-31
0-1500	PS3G-11
0-3000	PS3G-13
0-6000	PS3G-16
0-9000	PS3G-32

Features

- Integral Sensor
- All Adjustable Values Stored in Non-Volatile Memory
- Four Independent Switches
- Digital Display of Set Point or Process Variable
- Switchable Between PSI and BAR
- Setpoint Security

Performance Characteristics*

Accuracy (LH & R)	±0.25% full scale output
Long Term Stability	±0.5% FSO of calibration curve
Proof Pressure	1.5 times adjustable range, 14,500 psi (1000 bar) maximum
Warranty	3 years

Switch

Type	Four SPDT, mechanical relays
Rating	5 amps @ 125/250 VAC 1 amp @ 120 VDC

Adjustable Range	Full scale
Activation	Selectable; rising/falling/window
Deadband	Adjustable 5 to 125% of full scale
Time Delay	Adjustable 20ms to 10 seconds

Input

Supply Voltage	15-30 VDC (unregulated)
Current Consumption	200 mA without load

Analog Output Signal

Output	4-20 mA
Loop Resistance**	600 ohms @ 24 VDC
Zero & Span	Adjustable via keypad

Visual Displays

Setpoint/ Process	Four (4) digit red LED's with overflow indicator
Status	One (1) red diode per switch

Physical

Weight	2.4 lb. (1080 grams)
Wetted Parts	300 Series stainless steel, Viton seals
Enclosure	Wall mount aluminum alloy and neoprene housing seal
Keypad	Polyester cover, tactile keys
Rating	NEMA 4, (IP65)
Pressure Connection	1/4" NPT female
Electrical Connection	Terminal strip and 1/2" cable gland connector

Microprocessor

Resolution	10 Bit (1024 steps)
Memory	Minimum & maximum values stored
Error	Diagnostic displays

Environmental

Temperature Ranges	
Operating	0 to 158°F (-18 to 70°C)
Compensated	14 to 158°F (-10 to 70°C)
Storage	-22 to 185°F (-30 to 85°C)

Temperature Shift

Zero & Span	±1.0% FSO over compensated range
-------------	----------------------------------

Consult factory for options and design variations not listed.

*Definitions are in accordance with ANSI/ISA S37.1-75 for analog output
**Consult factory for loop resistance curve