



Pressure sensors Code:

1200HGG3002A3UA 0... 300

PSI supply 6.5-35 vdc output 1-5

VDC

URL: <https://www.sxplc.com/pressure-sensors-code-1200hgg3002a3ua-0-300-psi-supply-6-5-35-vdc-output-1-5-vdc>

Product data sheet

Specifications

Input

Pressure Range Vacuum to 6000 psi (400 bar)

Proof Pressure 4 x Full Scale (FS) (<1% FS Zero Shift)

Burst Pressure >35 x FS <= 60 psi (4 bar); >20 x FS <= 600 psi (40 bar); >5 x FS <= 6000 psi (400 bar)

Fatigue Life Designed for more than 100 million FS cycles

Performance

Supply Voltage Sensitivity 0.01% FS/Volt

Long Term Drift 0.2% FS/year (non-cumulative)

Accuracy 0.5% FS typical

Thermal Error 2.0% FS typical Compensated Temperatures -5°F to +180°F (-20°C to +80°C)

Operating Temperatures -40°F to +260°F (-40°C to +125°C) for elec. codes A, B, C, 1 -5°F to +180°F (-20°C to +80°C) for elec. codes 2, D, G, 3 -5°F to +125°F (-20°C to +50°C) for elec.

code F temperatures >100°C supply is limited to 24 VDC

Zero Tolerance 1% of span

Span Tolerance 1% of span

Response Time 0.5 ms

Mechanical Configuration

Pressure Port see ordering chart

Wetted Parts 17-4 PH Stainless Steel

Electrical Connection see ordering chart

Enclosure 316 SS, 17-4 PH ss IP65 NEMA 4 for elec. codes A,B,C,D,G,1,2,3 IP67 for elec. codes F IP30

for elec. code “3” with flying leads Vibration 70g, peak to peak sinusoidal, 5 to 2000 Hz (Random

Vibration: 20 to 200 Hz @ \square 20g Peak per MIL-STD.-810E Method 514.4)

Acceleration 100g steady acceleration in any direction 0.032% FS/g for 15 psi (1 bar) range decreasing logarithmically to 0.0007% FS/g for 6000 psi (400 bar) range.

Shock 20g, 11 ms, per MIL-STD.-810E Method 516.4 Procedure I

Approvals CE, UR (12 ET, 16 ET Intrinsically safe)

Weight approx. 100 grams (additional; cable 75 g/m

Individual Specifications

Voltage Output units Output See ordering chart Supply Voltage (Vs) 1.5 VDC above span to 35 VDC Min.

Load Resistance (FS output / 2) Kohms Current Output units Output 4-20 mA (2 wire) Supply Voltage (Vs) 24 VDC, (7-35 VDC) Max.

Loop Resistance (Vs-7) x 50 ohm

