

TRI-MODE PRESSURE SENSOR

SGT[®] Specifications

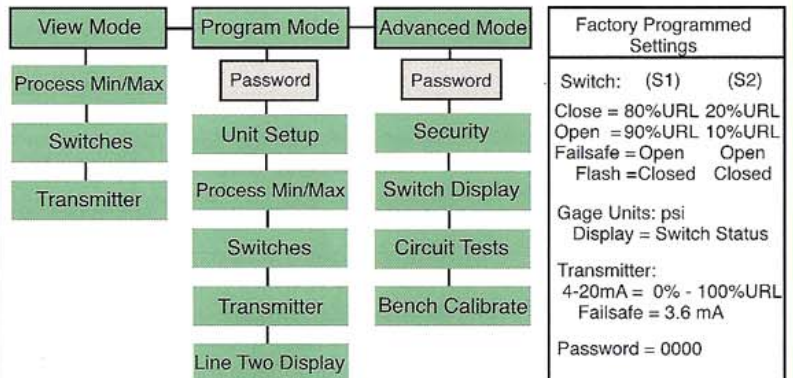
Ranges: Vacuum, pressure to 2,000psi
 Over-pressure: 1.5 x range
 Temperature (°F): Process: -20/250°F Ambient: -20/160°F
 Compensated: -20/160°F Storage: -40/185°F
 Long-Term Accuracy: 0.5% URL Stability: 0.5% URL per yr.
 Power: Supply: 14-30VDC (loop powered)
 Electrical Protection: reverse polarity, EMI/RFI
 Memory: Non-volatile
 Transmitter Response Time: Sensor Sampling Rate: 20 ms
 Switches: ≤ 10 ms Transmitter (90% FSO): ≤ 15 mg
 Self-Diagnostic: ≤ 1 sec. Gauge Update: 600 ms (nom.)
 Switch: two independent solid state MOS relays: SPST, NO
 Ratings: 1 A @ 25°C; 0.6 A @ 71°C; 125VAC/120VDC
 Max. inrush: 3A @ 23°C
 Off-State Leakage Current: 10 μa Range: 0 to 100% URL
 Deadband: 0.2 to 100% URL Failsafe: open or closed
 Gauge: Range: 0 to 150% of URL (Vacuum, 100%, of URL)
 Resolution: ≤ 0.1% URL
 Engineering Units: 13 selectable
 Transmitter: Analog, Loop powered: 4-20 mA, 2-wire
 Zero Offset: +10% URL Span: 20% to 100% URL
 Failsafe: 3.6 mA or 22mA (per NAMUR NE43)
 Wetted Parts: (Std.) Sensor: Ceramic (AL₂O₃)
 Process Port: 316SS, 1/2" NPTF O-ring: Viton
 Enclosure(Std.): Aluminum with 1 or 2 3/4" NPT conduit connections
 Terminal Block: 14-28 AWG
 Protection: NEMA 4X, 1P65
 Mechanical: Vibration: 2g @ 15-150 Hz.; 1g @ 150-2,000 Hz
 Drop/Topple: per SAMA PMC 31.1 Weight: 1.68 lb
 Agency Approvals: UL, cUL (Class I, II, III; Div 2; Nonincendive
 ATEX Directive 94/9/EC Ex II 3 G/D



SGT with optional 316SS
3-A Triclamp Sanitary Connection



Menu structure



HOW TO ORDER

SGT	20	2R	2F	VS	RR
Pressure Range	Electrical Connection	Process Connection	Wetted Materials	Options/Accessories	
Ranges 10 = 0-10psig 500 = 0-500psig 20 = 0-20psig 1K = 0-1000psig 50 = 0-50psig 2K = 0-2000psig 100 = 0-100psig 30V = 30"-0 Hg Vac Absolute ranges available. Other Engineering units (menu - selectable): inH ₂ O, ftH ₂ O, in Hg, bar, mbar, mmH, mH ₂ O, mmHg, kg/cm, Pa, kPa, MPa	Process Connection 2F = 1/2" NPTF (std.) 2M = 1/2" NPTM BF = G1/2" (F) Sanitary Triclamp (3-A) Max 600psi with std. clamp C8 = 1 1/2" Triclamp C9 = 2" Triclamp Other Triclamp sizes available. std. fill = glycerin	Wetted O-Rings Temp °F V = Viton(std) (-20/250 °F) B = Buna-N (-40/200 °F) N = Neoprene (0/200 °F) E = EPDM (-40/200 °F) K = Kalrez (40/250 °F) Pressure Port S = 316SS (std) H = Hast. C-276 M = Monel Triclamp Wetted Parts SS = All 316SS	Options AB = Absolute Pressure Range RR = S.S. Tag PK = Pipe Mounting Kit CE = Atex Approved CE compliant configuration (requires # 3 elec. conn.) PP = Fiber Tag W52S = Diaphragm Seal, 316SS, w/ 1/2" NPTF (other seals available) (Max press.= 1,500 psi) std. fill = silicone CC = Cert. of Calibraton CM = Cert. of Wetted Materais		
Electrical Connection 2R = 1/2" NPTF (Right) (std.) 2L = 1/2" NPTF (Left) 2B = 1/2" NPTF (R + L) Alex/CE Compliant 3R = 3/4" NPTM (Right) 3L = 3/4" NPTM (Left) 3B = 3/4" NPTM (R+L)					