

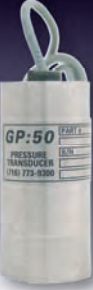
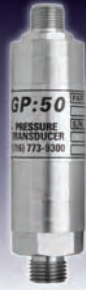













INDUSTRIAL, TEST

						
210 310	111 211 311	112 212 312	241 341	142 242 342	1002 1003	M-SPIKE V-SPIKE C-SPIKE
<ul style="list-style-type: none"> Test Stands Leak Test Bubbler / Level Systems HVAC 	<ul style="list-style-type: none"> Hydraulic Control Pumps & Compressors Machine Control Steel & Rolling Mills Test Stands General Industrial 	<ul style="list-style-type: none"> Hi-Pressure Hydraulics Water Jet Cutting Hydraulic Test Stands 	<ul style="list-style-type: none"> Auto & Aerospace Test Stands Hydraulic & Pneumatic Control Brake, Transmission & Valve Test Stands 	<ul style="list-style-type: none"> On-Board Military & Automotive Off Road Vehicles Braking Systems Hydraulic Test Stands 	<ul style="list-style-type: none"> OEM Applications On-Board Vehicle Pneumatic / Hydraulic Control 	<ul style="list-style-type: none"> Die Casting & Injection Molding Stamping & Press Control Steel & Rolling Mills
<ul style="list-style-type: none"> Low Ranges 0-5" WC 500 PSI Proof Pressure Wet Atmospheric Ref 	<ul style="list-style-type: none"> Rugged Industrial Design High Accuracy Options Shock & Vibe Resistant Welded Stainless Steel Design 	<ul style="list-style-type: none"> Ultra High Pressure Shock & Vibe Resistant One Piece Sensor Design 	<ul style="list-style-type: none"> High Accuracy $\pm 0.05\%$ Compact, Lightweight Design Welded Stainless Steel Design Shunt Cal, Zero & Span Options 	<ul style="list-style-type: none"> Compact, Rugged Design High Shock & Vibe Resistant Welded Stainless Steel Design 	<ul style="list-style-type: none"> Low Cost Design Compact, Rugged Construction Shock & Vibe Resistant All Welded SST Design Optional Ports & Electrical Connections 	<ul style="list-style-type: none"> Spike & Cyclical Resistant >3x's Proof Pressure All Welded SST Construction
0-5 IN WC Thru 0-200 PSI G, V, A	0-20" WC Thru 0-15,000 PSI, G, V, A, SG	0-20K Thru 0-100K PSI	0-30" WC Thru 0-15,000 PSI, G, V, A, SG	0-50 Thru 0-15,000 PSI G, A, SG	0-15 Thru 0-15,000 PSI G, V, A, SG	0-100 Thru 0-15,000 PSIG A, SG
$\pm 0.5\%$ ($\pm 0.1\%$ Optional)	$\pm 0.5\%$ (0.1% Optional)	$\pm 0.5\%$ (0.1% Optional)	$\pm 0.1\%$ (0.05% Optional)	$\pm 0.2\%$ (0.1% Optional)	0.5% (0.25% optional)	0.2% (0.1% optional)
0-5 Vdc & 4-20 mA	mV/V, 0-5 Vdc, 4-20 mA	mV/V, 0-5 Vdc, 4-20 mA	0-5 Vdc, 4-20 mA	mV/V, 0-5 Vdc, 4-20 mA	0.5-4.5VDC, 0-5 Vdc, 4-20 mA	mV/V, 0-5 Vdc, 4-20 mA
1/4" NPT (F)	1/4" NPT (F)	$\leq 60K$ - Autoclave F-250-C >60K - Autoclave F-312-C150	1/4" NPT (F)	7/16-20 (M)	1/4" NPT (M)	1/4" NPT (F)
316 Stainless Steel	316 & 15-5 Stainless Steel	$\leq 60K$ - 15-5PH Stainless Steel >60K - Vascomax 300	316 & 15-5 Stainless Steel	316 & 17-4 Stainless Steel	15-5PH & 316 Stainless Steel	15-5PH & 316 Stainless Steel









MODEL #	114 214 314	216 316	115 215 315	311X 311Z 311AI	1171	411 411X
APPLICATIONS	<ul style="list-style-type: none"> • Differential Pressure • Hydraulic Control System • Hydraulic Test Stands 	<ul style="list-style-type: none"> • Differential Pressure • Engine Test Stands • Leak Test Systems • Flow Measurement 	<ul style="list-style-type: none"> • Differential Pressure • Hydraulic Test Stands • Oil Rig Top Drive & Skid Control • Pump & Compressor Control 	<ul style="list-style-type: none"> • Rig Safety Systems • Well Head Control • Natural Gas Pipelines • Process Control Systems 	<ul style="list-style-type: none"> • Oil Rig Safety Systems • High Pressure Reactors • CNG Compressors • Gas Pipeline Monitoring 	<ul style="list-style-type: none"> • Rig Safety Systems • Well Head Control • Natural Gas Pipelines • Process Control Systems
FEATURES	<ul style="list-style-type: none"> • Compact Size & Weight • All Welded SST Construction • Ranges to 20,000 PSID • Non-Filled Sensor Design • Withstands High Cyclical Applications 	<ul style="list-style-type: none"> • Low DP Ranges • 2,000 PSI Line Pressure • 1,000 PSI Proof Pressure • High Frequency Response 	<ul style="list-style-type: none"> • Compact Size & Weight • Welded Stainless Construction • Mid To High Ranges • 10,000 PSI Line Pressure Option 	<ul style="list-style-type: none"> • Rugged, Welded, SST Construction • Shock & Vibe Resistant • Compact Size & Light Weight 	<ul style="list-style-type: none"> • Magnetically Coupled Adjusts • Field Adjustable 5:1 Turn Down • Sealed Design • Non-Interactive Zero & Span 	<ul style="list-style-type: none"> • HART Protocol • 5:1 Turn Down • Rugged, Welded, Stainless Steel Construction • Shock & Vibe Resistant • Compact Size
RANGES	0-500 Thru 0-20,000 PSID	0-5 IN WCD Thru 0-200 PSID	0-30 PSID Thru 0-5000 PSID	0-30" WC Thru 0-75,000 PSI, G, V, A, SG	0-100 Thru 0-100,000 PSI SG, V, A	0-50 Thru 0-75,000 PSI G, SG, V, A
ACCURACY	± 1% (0.2% Optional)	0.5% (0.1% optional)	±1% (0.2% Optional)	±0.5% (0.1% Optional)	±0.25%	±0.15%
OUTPUT	mV/V, 0-5 Vdc, 4-20 mA	0-5 Vdc, 4-20 mA	mV/V, 0-5 Vdc, 4-20 mA	4-20 mA	4-20 mA	HART Protocol Superimposed On 4-20 mA
PRESSURE PORT (STD)	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)
WETTED MATERIAL (STD)	15-5PH & 316 Stainless Steel	316 Stainless Steel & Viton	316 Stainless Steel	15-5PH & 316 Stainless Steel	15-5PH & 316 Stainless Steel	15-5PH & 316 Stainless Steel

OIL & GAS

					
170 270 370 570	271 371	7500-9000	7500	7880	117 217 317
<ul style="list-style-type: none"> Well Servicing Fracturing, Cementing, Acidizing, Nitrogen Pumping & Coil Tubing 	<ul style="list-style-type: none"> Temperature Transmitter Well Servicing Fracturing, Cementing, Acidizing, Nitrogen Pumping & Coil Tubing 	<ul style="list-style-type: none"> SubSea Well Head BOP Control Systems 	<ul style="list-style-type: none"> SubSea System Pressure & Level ROV's Submarines / Naval Vessels 	<ul style="list-style-type: none"> Dual Pressure & Temperature Output On-Board Truck Transmission & Tri-Plex Pumps 	<ul style="list-style-type: none"> High Pressure BOP Systems Sludge Pumping Paint & Adhesive Line Pressure
<ul style="list-style-type: none"> 1502, 2002, 2202 WECO Union® Designed For High Shock & Vibe Meets NACE MR0175 Guidelines Temperature Output Option 	<ul style="list-style-type: none"> 1502, 2002, 2202 WECO Union® Designed For High Shock & Vibe High Temperature Operation 	<ul style="list-style-type: none"> DNV Rated To 30,000 Feet Seawater HART Protocol For System Maintenance Sea Water Rated & Meets NACE MR0175 Guidelines Temperature & Pressure Output Various Flange & Electrical Connections 	<ul style="list-style-type: none"> Rated To 22,000 Feet Sea Water Materials Rated For Sea Water High TTL Accuracy Options Temperature Output Options 	<ul style="list-style-type: none"> Dual Pressure & Temperature Output Optional Probe Styles & Port Connections Dual 4-20mA, 0-5 Or CanBus Outputs Optional Cryogenic Range Down To -320°F High Temp Ranges To 300°F & 15,000 PSI 	<ul style="list-style-type: none"> Flush, All Welded SST Design Compact Size Various Port Configurations Hermetically Sealed Construction
0-5,000 Thru 0-20,000 PSI	-40°F to 350°F	0-10,000 Thru 0-20,000 PSI 30,000 FT WC Case Rating 220°C Process Temp Rated	0-50 Thru 0-15,000 PSI Process 22,000 FT WC Case Rating	0-50 Thru 0-15,000 PSI / -320 to 300°F	0-50 Thru 0-15,000 PSI G, SG, A, V
$\pm 0.25\%$	$\pm 0.75\%$	$\pm 0.25\%$	0.2% (0.1% Optional)	$\pm 0.2\%$ Pressure / $\pm 1\%$ Temperature	$\pm 1\%$ (0.2% Optional)
mV/V, 0-5 Vdc, 4-20 mA, CANBUS	0-5 VDC, 4-20mA	Dual 4-20mA Pressure & Temperature With HART	mV/V, 0-5 Vdc, 4-20 mA	Dual: mV/V, 0-5 Vdc, 4-20 mA, CanBus	mV/V, 0-5 Vdc, 4-20 mA
1502, 2202 Or 2002 WECO Union®	1502, 2202 Or 2002 WECO Union®	Various API Hub & Flanges	1/4" NPT (M)	1/4" NPT Male With 1" Probe	3/4"-16 Male (1/2" NPT M Or Flush Autoclave Ports Available)
Stainless Steel Meets NACE MR0175 Guidelines	Stainless Steel (Optional NACE)	Inconel 625 & 316 SST	15-5PH Stainless Steel & 316 Stainless Steel	15-5PH & 316 Stainless Steel	15-5PH & 316 Stainless Steel

WATER TREATMENT FLUSH / SANITARY

					
MODEL #	313 313L 313L-NI 313S	311-M351	GPIDP	218 318	280 380 283 383
APPLICATIONS	<ul style="list-style-type: none"> Weirs, Wells, Pond Level Reservoirs/Dams Ground Water Wells Shipboard Level Control Rig Ballast Control 	<ul style="list-style-type: none"> Lift / Pump Station Sewage Level Sludge / Slag Level 	<ul style="list-style-type: none"> Differential Pressure Filter Condition Indication Water & Air Injection Flow Measurement Tank Level 	<ul style="list-style-type: none"> Juice, Soda, Milk, Pharmaceutical Sanitary Tank Level 	<ul style="list-style-type: none"> Sanitary Tank Level Food Processing, Juice, Soda, Milk Bio / Pharmaceutical Applications
FEATURES	<ul style="list-style-type: none"> Diameters As Small As 0.685" All Welded Construction Titanium Construction (313L-NI) Polyurethane Or Tefzel Cable Ranges As Low As 0-20" WC 	<ul style="list-style-type: none"> 3" Diameter Sensing Face Resist Clogging All Stainless Steel Construction Heavy Construction To Eliminate Boyancy 1/2" NPT Electrical Connection For Rigid Installation 	<ul style="list-style-type: none"> SMART & HART Protocol Options Ranges As Low As 0.5 In WC Line & Single Sided Over Pressure Rating 3625 PSI LCD Display With Push Button Adjust For Configuration 	<ul style="list-style-type: none"> Large Faced Flush Sensor To Resist Bacteria Growth Threaded Slip Ring Design For Ease Of Installation Optional Hastelloy-C Wetted Parts For Corrosion Resistance 	<ul style="list-style-type: none"> Tri-Clamp Connections W/3A Rating Tri-Clamp Sizes As Small As 1/2" High Temperature Version Rated To 350°F Optional Hastelloy-C Wetted Parts For Corrosion Resistance
RANGES	0-20" WC Thru 0-500 PSI	0-5 Thru 0-200 PSI G, SG	0-0.5" WC Thru 3,000 PSID, G, V	0-30 IN WC Thru 0-1,000 PSI G, V, SG	0-30 In WC Thru 0-1,000 PSI, G, V, A, SG
ACCURACY	±0.5% (0.10% Optional)	±0.5% (0.20% Optional)	±0.2% (optional ±0.07%)	±0.5% (0.15% Optional)	±0.5% (0.15% Optional)
OUTPUT	mV/V, 0-5 Vdc, 4-20 mA	4-20 mA	4-20mA & Low Power 1-5 VDC Option	0-5 Vdc, 4-20 mA	0-5 Vdc, 4-20 mA
PRESSURE PORT (STD)	Bullet Nose	Caged Flush Diaphragm	1/4" NPT (F)	Flush 1-3/4" -20 Threaded Slip Ring	1/2" Thru 3" Tri-Clamp Fitting
WETTED MATERIAL (STD)	316 Stainless Steel, Titanium, Ceramic, Viton And Polyurethane (Varies With Options)	316 Stainless Steel	316L Stainless Steel	316 Stainless Steel	316 Stainless Steel