

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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GP:50

DIFFERENTIAL PRESSURE

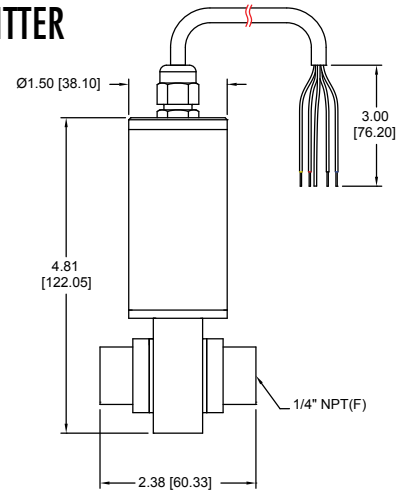
MODEL 115 / 215 / 315

HIGH RANGE DIFFERENTIAL PRESSURE TRANSMITTER



STANDARD WIRING

WIRE	MODEL 115	MODEL 215	MODEL 315
1/RED	+EXC	+EXC	+EXC/SIG
2/GRN	+SIG	+SIG	N/C
3/WHT	-SIG	N/C	N/C
4/BLK	-EXC	-EXC/SIG	-EXC/SIG
5/BLU	+SHUNT (OPT)	+SHUNT (OPT)	+SHUNT (OPT)
6/BRN	-SHUNT (OPT)	-SHUNT (OPT)	-SHUNT (OPT)
SHIELD	OPEN	OPEN	OPEN



Standard configurations shown.
Please consult factory for other options.

PRODUCT OVERVIEW:

The Model 115/215/315 from GP:50 is a family of compact, high-range differential pressure transducers. Series units are offered in ranges as low as 0 to 30 PSID (0 to 2 BAR D), with a line pressure range to 10K PSI (690 BAR). Their all-welded, corrosion-resistant, 316L stainless steel construction is without seals or o-rings, helping to ensure their continued reliability within demanding environments. Optional FM, CSA, ATEX intrinsic safety approvals are also available.

FEATURES:

- Ranges from 30 PSID (2 BAR D) to 7,500 PSID (517 BAR D)
- Line pressure to 10K PSI (690 BAR)
- Rugged, all welded, 316L construction
- No seals or o-rings
- Compact size
- Bi-directional operation
- Optional FM & CSA Explosion-proof approval
- Optional FM, CSA or ATEX Intrinsically safe approval

APPLICATIONS:

- Pump and compressor skids
- Hydraulic test stands
- Drilling Rig top drive controls

FIELD OPTIONS:

- mV/V, Vdc and 4-20 mA output
- Zero & span adjustments
- Alternate process and electrical connections
- Bi-directional operation
- Line pressure to 10K PSI (690 BAR)

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GP:50 MODEL 115 / 215 / 315

REFERENCE SPECIFICATIONS

ELECTRICAL	
Output Signal:	(Model 115) 3 mV/V Amplified Output (Model 215) 0 to 5 Vdc (alternate outputs available) (Model 315) 4-20 mA
Excitation Voltage:	(Model 115) 3.5 to 15 Vdc excitation (Model 215) 9.0 to 40 Vdc excitation 0 to 10 Vdc output requires 13 to 40 Vdc excitation (Model 315/315Z) 9 to 32 Vdc excitation
Bridge Resistance:	
Connection:	36" long PVC Jacketed, 24 AWG, 4 conductor cable with shield
Circuit Protection:	(Model 215/315): RFI, EMI & Reverse polarity protected
Response Time:	<4 ms
Input Impedance:	(Model 115) 5K Ω nominal

MATERIALS OF CONSTRUCTION	
Wetted Parts:	316 Stainless Steel (options available, consult factory)
Housing:	316 Stainless Steel
Internal Fill:	Silicone (Options available)

ACCURACY (BFSL): Hysteresis, Non-Linearity & Repeatability @ +70 °F	
Standard:	±0.5% FSO
Improved:	±0.2% FSO or ±0.1% FSO
Zero & Span Balance:	±2.0% FSO @ 70 °F (Optional Zero & Span Adjust)

MECHANICAL	
Process Connection:	¼" NPT (F)
Proof Pressure:	30-500 PSI 5X FSO or 3K PSI (207 BAR) 750-7,500 10X FSO or 10K PSI (689 BAR) whichever is less
Burst Pressure:	15X FSO or 4K PSI (276 BAR) whichever is less, 10.5K PSI (724 BAR) optional
Static Line Pressure:	2000 PSI (10,000 PSI optional)
Zero Shift with Line Pressure:	<±1.0% FSO/1K PSID
Approximate Weight:	<1.5 lbs (0.07 kg) some options may affect weight

PRESSURE RANGES
30 PSID (2 BAR D) to 7,500 PSID (517 BAR D)

THERMAL SPECIFICATIONS	
Operating Range:	10 °F to +190 °F (-12 °C to + 88 °C)
Compensated Range:	+70 °F to +180 °F (+21 °C to +82 °C)
Storage Ambient:	-65 °F to +250 °F (-53 °C to +121 °C)
Effect on Zero/Span:	±2.0% FSO/100 °F
Improved or expanded temperature compensation available	

DIFFERENTIAL PRESSURE

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All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact GP:50 for assistance with your application.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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