

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

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

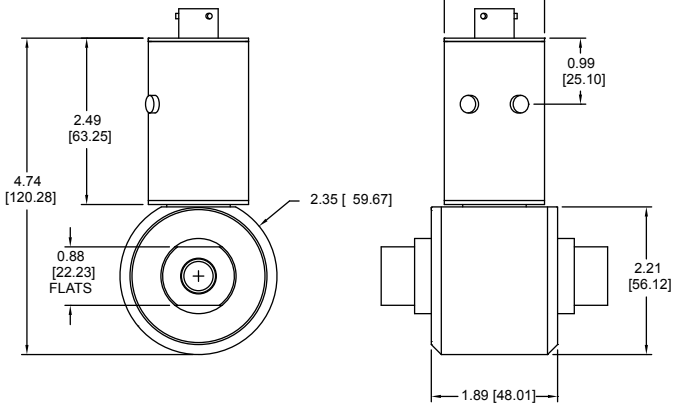
MODEL 216 / 316

LOW RANGE HIGH LINE DIFFERENTIAL PRESSURE TRANSDUCER



STANDARD WIRING

PIN	MODEL 216	MODEL 316
1/RED	+EXC	+EXC/SIG
2/GRN	+SIG	N/C
3/WHT	N/C	N/C
4/BLK	-EXC/SIG	-EXC/SIG
5/BLU	N/C	N/C
6/BRN	N/C	N/C
SHIELD	OPEN	OPEN



Standard configurations shown.
Please consult factory for other options.

PRODUCT OVERVIEW:

The Model 216/316 from GP:50 is a family of low range, high line, differential pressure transducers. Their compact design incorporates GP:50's own digital correction circuit technology, for high accuracy and extended service life across a variety of applications.

FEATURES:

- 2.5" WCD thru 200 PSID (14 BAR)
- Up to 5K PSI (345 BAR) line pressure options available
- Up to ±0.05% FSO accuracy
- Unidirectional and bidirectional outputs
- Wet/wet design
- All welded 316L stainless steel wetted parts
- Compact size

APPLICATIONS:

- Automotive test stands
- Leak decay
- In-laboratory R&D
- Energy management
- Emissions management
- HVAC

FIELD OPTIONS:

- Temperature and line pressure outputs available
- Wide selection of process and electrical connections
- Submersible options (Meets IP67)
- Alternate wetted materials
- Custom calibrations

© 2014 GP:50 NY Ltd. 2770 Long Road, Grand Island, NY 14072 USA

Tel: +1.716.773.9300 **Fax:** +1.716.773.5019 **Email:** sales@gp50.com **Web:** www.gp50.com

GP:50 MODEL 216 / 316

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal: (at +70 °F)	(Model 216) 0 to 5 Vdc, 0 to 10 Vdc (Model 316) 4-20 mA
Excitation Voltage:	9.0 to 32 Vdc
Connection:	36" long PVC jacketed, 18 AWG, 4 conductor cable (or equivalent)
Circuit Protection:	RFI, EMI & Reverse polarity protected
Response Time:	10 mSec Typ

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

ACCURACY (BFSL): Hysteresis, Non-Linearity & Repeatability @ +70 °F	
Standard:	±0.5% FSO
Improved:	±0.2% FSO, ±0.1%, and ±0.05% FSO
Zero & Span Balance:	Adjustable to ±10% FSO

MECHANICAL	
Process Connection:	¼" NPT (F)
Proof Pressure:	500 PSI (35 BAR) single ended
Burst Pressure:	750 PSI (52 BAR) for welded port; 2.5K PSI (172 BAR) w/Flanges
Static Line Pressure:	
Standard Flanges:	2K PSI (138 BAR)
Optional Flanges:	5K PSI (345 BAR)
Welded Ports:	500 PSI (35 BAR)
Static Line Shift:	<±1.0% FSO/1000 PSI for ranges >20" WC <±2.0% FSO/1000 PSI for ranges ≤20" WC
Orientation Shift (90°):	Up to 6%, range dependent
Approximate weight:	2.0 lbs (0.06 kg)
Environmental:	Designed to IP67 (some options may affect this)

PRESSURE RANGES
2.5" WCD thru 200 PSID (alternate ranges available)

THERMAL SPECIFICATIONS	
Operating Range:	0 °F to +185 °F (-17.7 °C to + 85 °C) (Unit will operate to -40 °F with delayed response time)
Compensated Range:	+32 °F to +180 °F (0 °C to +82 °C)
Storage Ambient:	-20 °F to 200 °F (-29 °C to +93 °C)
Effects on Zero & Span:	±0.5% FSO/100 °F ±0.3% FSO/100 °F with 0.05% accuracy
Improved or expanded temperature compensation available	

DIFFERENTIAL PRESSURE

© 2014 GP:50 NY Ltd. 2770 Long Rd, Grand Island, NY 14072 USA
Tel: +1.716.773.9300 **Email:** sales@gp50.com **Web:** www.gp50.com

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.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

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

ARTISAN® TECHNOLOGY GROUP