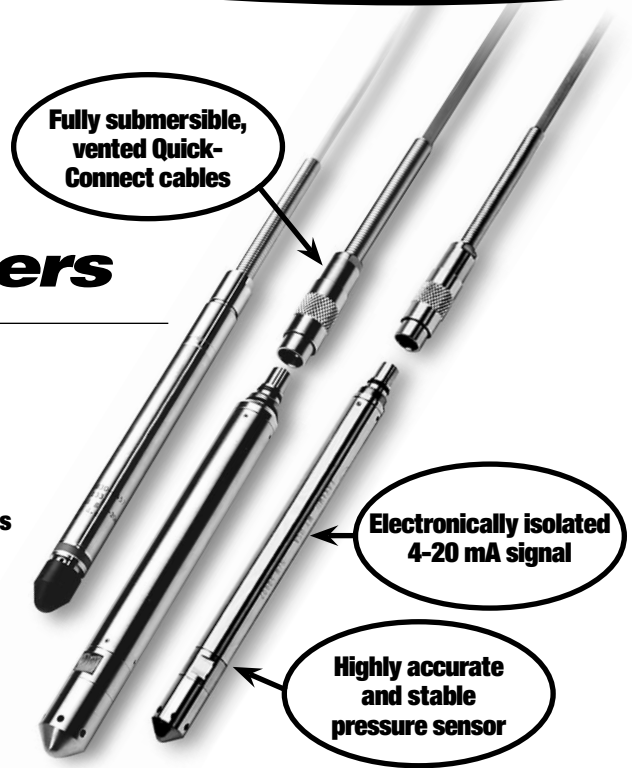




PXD • PTX Pressure Transducers

ACCURATE AND RELIABLE 4-20mA PRESSURE MEASUREMENTS

- Rugged and reliable construction for extreme environments
- Excellent for aquifer testing and long-term monitoring
- Quick-Connect™ cables for easy connections



Now you can...

- Measure water level with high accuracy
- Compensate for barometric fluctuations
- Monitor in one-inch observations wells
- Easily swap cables in the field for custom applications
- Use for piping pressure applications

Applications

- Aquifer characterization
- Marine and reservoirs
- Long-term monitoring
- Packer installations
- High pressure piping
- Industrial & municipal
- Regulatory monitoring
- PLC & SCADA systems

For precise measurements and rugged reliability, choose from In-Situ's full line of transducers! Each transducer is individually calibrated over its entire operating range resulting in extremely accurate and stable measurements. Even in harsh field environments. Plus, the small diameter of our transducers allows easy access to one-inch wells.

RUGGED CONSTRUCTION MEANS YEARS OF QUALITY PERFORMANCE

The PXD series is made with tough 316 stainless steel ensuring durability in most chemical environments. The PTX series is constructed of titanium.

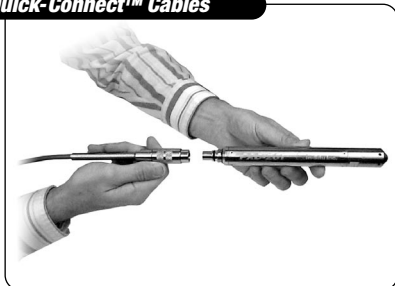
QUICK-CONNECT CABLES ARE A SNAP

Removable Quick-Connect cables are available for PXD series transducers. With these submersible cables, you can change cable type and length in the field. Plus all cables are fully vented to compensate for barometric fluctuations. Absolute transducers are also available. The output is a 4-20mA signal so extremely long cable lengths can be used without loss of accuracy.

STANDARD NPT FITTING

An NPT thread is included on all transducer just under the nose cone to adapt it into pipe fittings. Highly accurate In-Situ transducers are the perfect choice for pressure measurements. Use the best for your next job!

Quick-Connect™ Cables



Quick-Connect cables are standard with PXD transducers. Now changing cable type or cable length is a snap! Cable is available in Teflon or Polyurethane.

Full line of pressure ranges



Our transducers are available in ranges from 5 PSI to 1000 PSI. Also, pick between plastic or steel reels, big or small!

Easy connections



Our transducers are ready to be directly plugged into any Hermit Data Logger. No tools needed and no hassles!

Pressure Transducers

Reels

ABS plastic, up to 350 ft. (107 m) capacity
 Small steel, up to 550 ft. (168 m) capacity
 Large steel, up to 1500 ft. (457 m) capacity

Cable is available in Teflon or Polyurethane. Both gauged and absolute sensors are available. Call for details.



How accurate is it?

Calculating your accuracy is easy. Simply convert the PSI range of the transducer to feet or meters and multiply by the accuracy specification. Accuracy is based on temperature at 15°C.

Range			Accuracy					
			PXD-261		PXD-461		PTX-1830	
PSI	Feet	Meters	± 0.05% full scale		± 0.04% full scale		± 0.1% full scale	
			inches	mm	inches	mm	inches	mm
5	11.53	3.52	--	--	--	--	0.14	3.52
10	23.07	7.03	--	--	--	--	0.28	7.03
15	34.60	10.55	0.21	5.27	--	--	0.42	10.55
20	46.13	14.06	0.28	7.03	--	--	0.55	14.06
30	69.20	21.09	0.42	10.55	--	--	0.83	21.09
50	115.33	35.15	0.69	17.58	--	--	1.38	35.15
100	230.67	70.31	1.38	35.15	--	--	2.77	70.31
250	576.67	175.77	3.46	87.88	--	--	Call for other available ranges	
500	1153.34	351.54	--	--	5.54	140.61		

Specifications

	PXD-261	PXD-461	PTX-1830
Operating principle	Stainless encased integrated silicon strain gauge bridge	Stainless encased integrated silicon strain gauge bridge	Titanium-encased silicon strain gauge bridge
Wetted materials	316 stainless steel, Viton®	316 stainless steel, Viton®	Titanium, 316 stainless steel, acetal
Length	8.5 inches (21.6 cm)	8.5 inches (21.6 cm)	7.86 inches (20.0 cm)
Diameter	0.86 inches (2.2 cm)	0.7 inches (1.78 cm)	0.69 inches (1.75 cm)
Weight	1 lb. (0.45 kg)	0.5 lb. (0.22 kg)	0.26 lb. (0.12 kg)
Signal current	4-20 mA	4-20 mA	4-20 mA
Minimum warmup time	50 milliseconds	50 milliseconds	50 milliseconds
Range	15 PSI (35 ft. water, 11 m.) 20 PSI (46 ft. water, 14 m.) 30 PSI (69 ft. water, 21 m.) 50 PSI (115 ft. water, 35 m.) 100 PSI (231 ft. water, 70 m.) 250 PSI (577 ft. water, 176 m.)	500 PSIA (1153 ft. water, 352 m.) 1000 PSIA (2307 ft. water, 703 m.)	5 PSI (11.5 ft. water, 3.5 m.) 10 PSI (23 ft. water, 7 m.) 15 PSI (35 ft. water, 11 m.) 30 PSI (69 ft. water, 21 m.) 50 PSI (115 ft. water, 35 m.) 100 PSI (231 ft. water, 70 m.) Contact In-Situ for other ranges
Accuracy	± 0.05% full scale at 15°C (59°F)	± 0.04% full scale at 15°C (59°F)	± 0.1% full scale at 15°C (59°F)
Pressure rating	2X full scale	1.5X full scale	2X full scale
Operating temperature	5° to 30°C (41° to 86°F)	5° to 30°C (41° to 86°F)	-20° to 60°C (-4° to 140°F) compensated: -2° to 30°C (28° to 85°F)
Storage temperature	-40 to +125°C (-40 to 257°F)	-40 to +125°C (-40 to 257°F)	-20 to 60°C / -4 to 140°F)
Quick-Connect Cable	Yes	Yes	No

Purchase - Rent - Lease our Pressure Transducers Today!



In-Situ Inc.

The Standard for Water Quality & Level

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(International and domestic calls) (toll-free in US and Canada)

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*FEP (fluorinated ethylene propylene) is the generic equivalent of DuPont Teflon.
 10/27/2004