Azbil

Технические характеристики

Дифференциальный расходомер

GTX

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GTX

Extensive Product Lineup

Transmitter type	Application	Model	Measuring span		Accuracy	Maximum working pressure	
Impulse-line model	Differential pressure Flow Level Density	GTX15D	0.1 to 2 kPa	0.4 to 8 inH2O	+/-0.15%	210 kPa	30 psi
		GTX30D	0.5 to 100 kPa	2 to 400 inH2O	+/-0.04%	3.5 MPa	500 psi
		GTX31D	0.5 to 100 kPa	2 to 400 inH2O	+/-0.04%	21 MPa	3000 psi
		GTX40D	35 to 700 kPa	5 to 100 psi	+/-0.1%	3.5 MPa	500 psi
		GTX41D	35 to 700 kPa	5 to 100 psi	+/-0.1%	21 MPa	3000 psi
		GTX71D	0.25 to 14 MPa	36 to 2000 psi	+/-0.15%	21 MPa	3000 psi
		GTX32D	0.5 to 100 kPa	2 to 400 inH2O	+/-0.04%	42 MPa	6000 psi
		GTX42D	35 to 700 kPa	5 to 100 psi	+/-0.1%	42 MPa	6000 psi
		GTX72D	0.25 to 14 MPa	36 to 2000 psi	+/-0.15%	42 MPa	6000 psi
	Gauge pressure	GTX60G	17.5 to 3500 kPa	2.5 to 500 psi	+/-0.04%	3.5 MPa	500 psi
		GTX71G	0.7 to 14 MPa	100 to 2000 psi	+/-0.15%	14 MPa	2000 psi
		GTX82G	0.7 to 42 MPa	100 to 6000 psi	+/-0.15%	42 MPa	6000 psi
	Absolute pressure	GTX30A	4 to 104 kPa abs	30 to 780 mmHg	+/-0.15%	104 kPa abs	780 mmHg
		GTX60A	35 to 3500 kPa abs	260 to 26000 mmHg	+/-0.15%	3500 kPa abs	26000 mmHg
Flange type	Level Gauge pressure	GTX35F	2.5 to 100 kPa	10 to 400 inH2O	+/-0.2%	Based on flange rating	
		GTX60F	70 to 3500 kPa	10 to 2000 psi	+/-0.15%	Based on flange rating	
	Flow rate Level Density	GTX35R	2.5 to 100 kPa	10 to 400 inH2O	+/-0.2%	Based on flange rating	
		GTX40R	35 to 700 kPa	5 to 100 psi	+/-0.2%	Based on flange rating	
		GTX35U	2.5 to 100 kPa	10 to 400 inH2O	+/-0.2%	Based on flange rating	
Remote-seal type	Gauge pressure	GTX60U	35 to 3500 kPa	5 to 500 psi	+/-0.2%	Based on flange rating	
		GTX71U	0.7 to 14 MPa	100 to 2000 psi	+/-0.2%	Based on flange rating	
		GTX82U	0.7 to 42 MPa	100 to 6000 psi	+/-0.2%	42 MPa	6000 psi
	Absolute pressure	GTX30S	4 to 104 kPa abs	30 to 780 mmHg	+/-0.25%	104kPa abs	780 mmHg
		GTX60S	35 to 3500 kPa abs	260 to 26000 mmHg	+/-0.25%	Based on flange rating	

Differential pressure

Impulse-line model (Standard type)

Differential pressure (High static pressure)

Remote-seal type

Gauge pressure

Impulse-line model

Flange type

Remote-seal type

Absolute pressure

Impulse-line model

Remote-seal type

Our solutions for various applications

Applications	Model	Fueture	Pages	Model
Impulse-line less instrumentation	1/2 inch. remote-seal transmitter	1/2 inch. remote-seal transmitter achieves impulse-line less instrumentation.	7	GTX _ _R GTX _ _U
Support for fast response applications	Fast response remote-seal transmitter	Remote-seal transmitter with fast response. Improves controllability on control lines and in cold areas.	7	GTX _ _R
Support for level measurement with Temperature Compensation	Remote-seal transmitter with ambient temp. compensation	Remote-seal transmitter's fill fluid density compensation function achieves level measurement with only small effects from changes in ambient temperature.	8	GTX _ _R
Support for level measurement in tight space	Remote-seal transmitter with directumounting kit	A special kit is used for the remote-seal transmitter capillary tube section, improving temperature effect and saving space.	8	GTX _ _R
Support for vacuum applications	High-temperature,High-vaccum remote-seal transmitter	This is well suited for applications requiring high temperature and high vacuum conditions, such as reactions, distillation, drying and recovery.	9	GTX _ _R GTX _ _U GTX _ _S
Anti-hydrogen permeation measures	Anti-hydrogen permeation transmitter	We suggest this as the most effective way to deal with various modes of hydrogen permeation.	10	ALL
Anti-hydrogen embrittlement measures	Anti-hydrogen embrittlement transmitter	With its platinum chip construction, this product is recommended to prevent hydrogen embrittlement.	10	GTX _ _R GTX _ _U GTX _ _S

Impulse-line less instrumentation

1/2 inch. remote-seal transmitter

With the impulse-line less instrumentation provided using the small diameter (1/2", 3/4") process connection pressure / differential pressure remote-seal transmitter, the various problems caused by connecting impulse-line clogging, the cost of labor for maintenance work, etc. are avoided. Used especially in petroleum, petrochemical, and chemical plants, this product has an extensive record of achievement.

Features

- Reduces operating costs (seal liquid costs, steam tracing running costs).
- Easy installation (flange connection, fixing of stanchions for main unit).
- Reduces maintenance operations (replacement/refilling of seal liquid, steam tracing, removal of blockages from connecting pipes).
- Reduces dangerous operations (leak checking, removal of blockages from connecting pipes, replacement/refilling of seal liquid).
- Environmentally friendly (elimination of seal liquid, elimination of connecting pipes/steam tracing/seal pots, etc.).
- Greatly reduces the heating costs incurred by connecting pipes and steam tracing

1/2 inch. remote-seal transmitter

Support for fast response applications

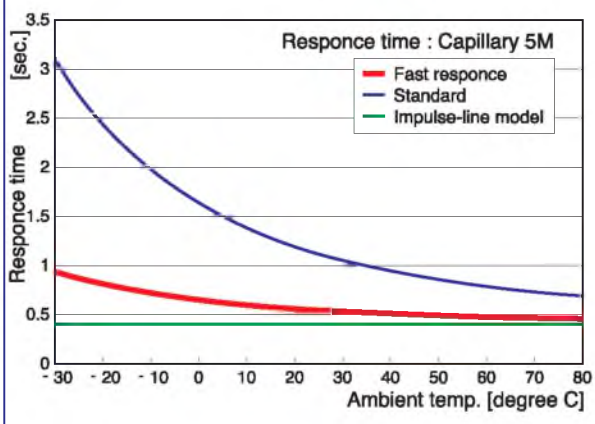
Fast response remote-seal transmitter

In some cases of flow control by a differential pressure remote seal transmitter, responsiveness on a par with impulse-line instrumentation is required. In other cases, in cold regions or inland areas where winter air temperature drops below freezing, improvements in control are necessary due to reduced responsiveness. In answer to these and similar needs, we present our fast-response remote seal transmitter.

Features

- Faster response time from the remote seal.
  Achieves responsiveness on a par with impulse-line model.
- Improved responsiveness in low temperatures. Responsiveness in low temperatures (below the freezing point) has been improved, reducing the effect of seasonal temperature changes.

Fast response remote-seal transmitter

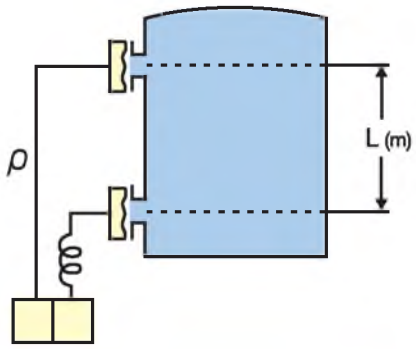


Fast responce remote-seal transmitter

Support for Liquid-Level Measurement with Temperature Compensation

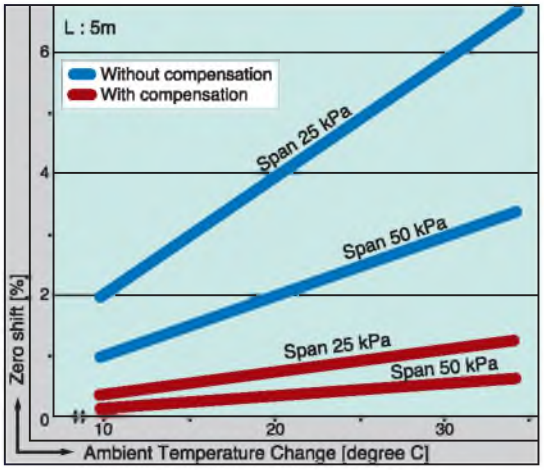
Remote-seal transmitter with ambient temp. compensation

As a standard feature, our differential pressure remote seal transmitters are equipped with a function that compensates for changes in the density of the fill fluid due to variations in ambient temperature. As a result, for liquid-level measurement by differential pressure remote seal transmitter, zero point shifts resulting from changes in fill fluid head pressure ($P = \rho gL$) due to variations in ambient temperature are eliminated.



Features

- Keeps zero point shift to 1/5 or below.
- A standard feature on all remote seal transmitters .
- Ideal for design changes or use of spares, because the distance between the flanges can be optionally changed by the communicator.



Support for Level Measurement in tight space

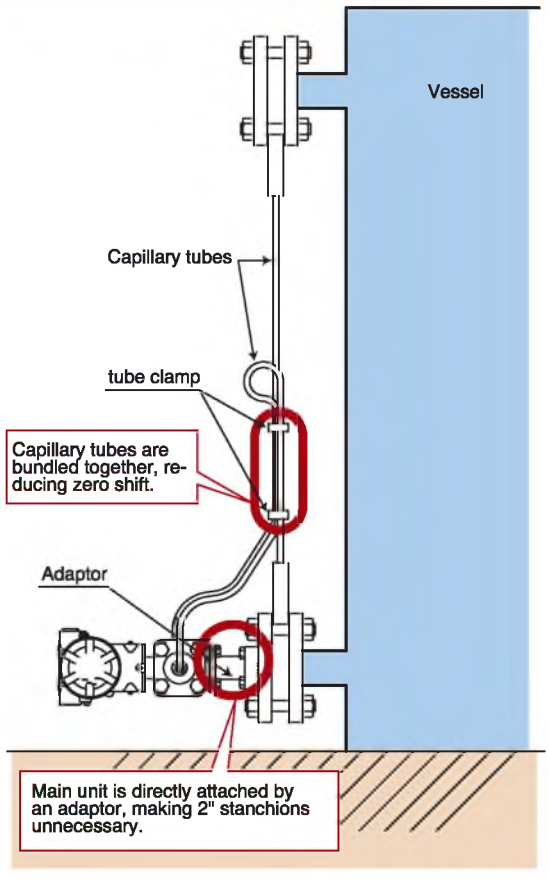
Remote-seal transmitter with direct mounting kit

A solution to many of the issues that affect differential pressure transmitters: dealing with the bottom flange capillary tube, reducing the space occupied by the 2" stanchion pipe, zero point shift caused by temperature differences between the high/low capillary tubes, and others.

Features

- **Easy-to-use instrumentation**
  Direct mount using flange adaptor. No need for a 2" stanchion pipe.
  Capillary tubes are neatly held in place by tube clamps.
  Deals easily with changes in vessel spacing distance.
  Flange adaptor and tube clamp can be applied to existing equipment using an adapted flange.
- **Improves ambient temperature characteristics**
  Capillary tubes are held firmly in place by tube clamps. Because of this, the zero point shift caused by temperature differences between the high/low capillary tubes due to changes in ambient temperature is reduced to its previous value.

Instrumentation with Directmounting kit



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www.azbil.nt-rt.ru || abz@nt-rt.ru