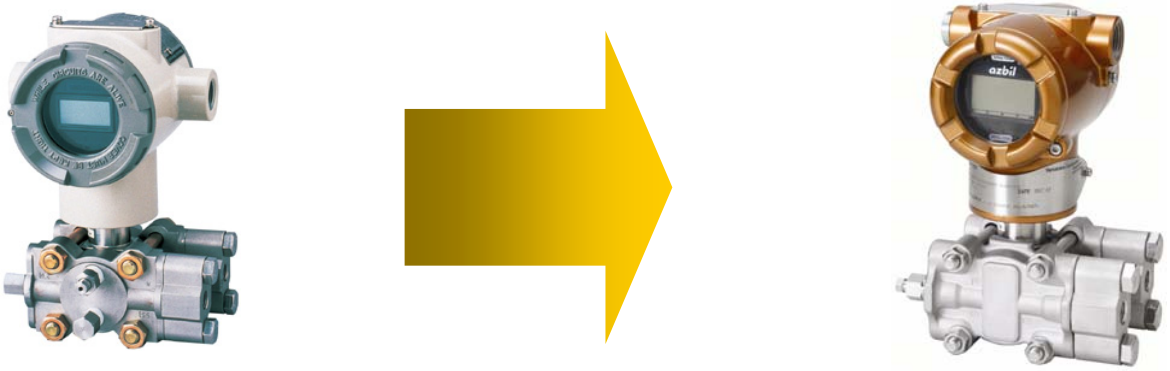
Rev.00

S900⇒AT9000（GTX）model conversion table



AAC Marketing Department

Differentiation from S900

azbil

Internal use only

Series Name	AT9000 Model GTX	ST3000 Series 900
Model No.	GTX31D	STD920
Measuring Means	Piezo Resistive Sensor	Piezo Resistive Sensor
Sensor	NPS (Yamatake original)	ED (Honeywell Sensor)
Measuring Span	0.5 ~ 100kPa (200:1)	0.75 ~ 100kPa (133:1)
Measuring Range	-100 ~ 100kPa	-100 ~ 100kPa
Output signal		
Analog	4~20mADC (HART/SFN)	4~20mADC(HART/SFN)
Digital	DE	Fieldbus/DE
Accuracy (Linear Output)		
Analog mode	±0.04% for $x^{*1} \geq$10kPa ±(0.008+0.032 x 10/X^{*1})% for X^{*1} <10kPa	±0.075% for $X^{*1} \geq$50.0kPa ±0.1% for 50.0kPa >X^{*1}> 5.0kPa ±(0.025+0.075 x 5.0/X^{*1})% for X^{*1} < 5.0kPa
Zero Stability	±0.1%/10years	±0.1%/1year
Working pressure Range	21MPa	21MPa
Ambient Temperature Range		
Normal Operation	- 40 ~ +85ºC	- 40 ~ +85ºC
Operative Limit	- 50 ~ +93ºC	- 50 ~ +93ºC
Storage Conditions	- 50 ~ +85ºC	- 50 ~ +85ºC
Response time	Below 100msec.	Approx. 400msec.

**1 : Accuracy is shown for each item are the percentage ratio for "X", which is the greatest value of either the upper range value (URV), the lower range value (LRV) or the span.*

Differentiation from S900

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Internal use only

Series Name	AT9000 Model GTX	ST3000 Series 900
Model No.	GTX31D	STD920
Damping	Adjustable 0~32sec. By 10steps	Adjustable 0~32sec. By 10steps
Process connections	1/4NPT on Flange 1/4 , 1/2NPT on Flange Adapter	1/4NPT on Flange 1/4 , 1/2NPT on Flange Adapter
Failure Alarm	Available in Option (Up scale is std.)	Available in Option
External Zero & Span	Available in Option (front of indicator side)	Available in Option (External box in body)
Lightning protection	Standard equipment Applicable Standards : IEC6100-4-5 Peak value of current surge :6000A	Available in Option Peak value of voltage surge : 200kV Peak value of current surge : 2000A
Indicator	5 digits, Eng.Units, other information	4.5 digits
Write protection	Standard (Hard switch, software)	Standard (Hard switch)
Contact output	Available as Option	Not available
Weight	Approx. 3.4kg	Approx. 4.1kg
Safety approvals	SIL 2	Not available
Characterization data store	The data in SPM*2 (Sensor Pulse Modulator)	The Data in PROM that located on the main electrical board
Diagnostics	Self diagnostics	Self diagnostics
	Status records	Not available
	Zero drift record	Not available

*2 : The characterization data is stored in A/D board that is located in neck part of meter body. When a customer wants to change meter body, they can change a meter body without electrical board. No need to check ID No. anymore.