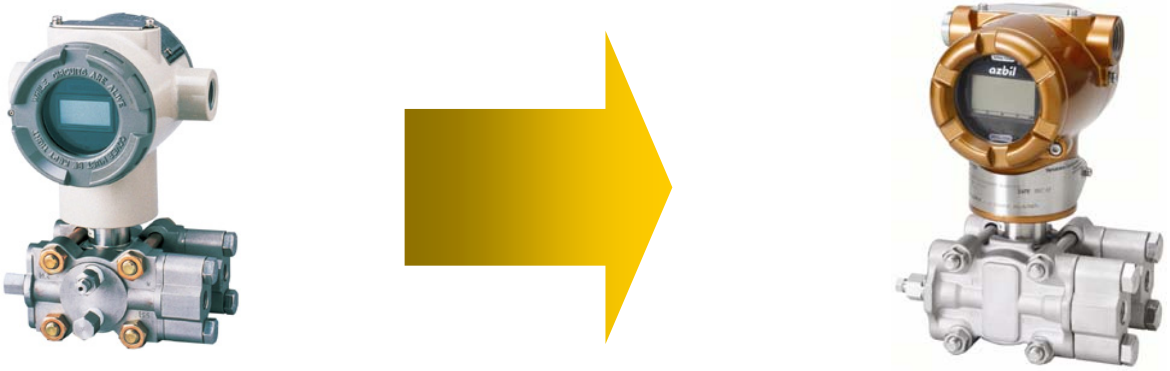
Rev.00

S900⇒AT9000（GTX）model conversion table



AAC Marketing Department

Agenda

Internal use only

- Differentiation from S900
- Model number conversion table
  1. Standard type ; Differential/Gauge/Absolute Pressure transmitter
  2. Flange mounted type differential pressure transmitter
  3. Remote sealed type pressure transmitter

Differentiation from S900

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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

azbil

Internal use only

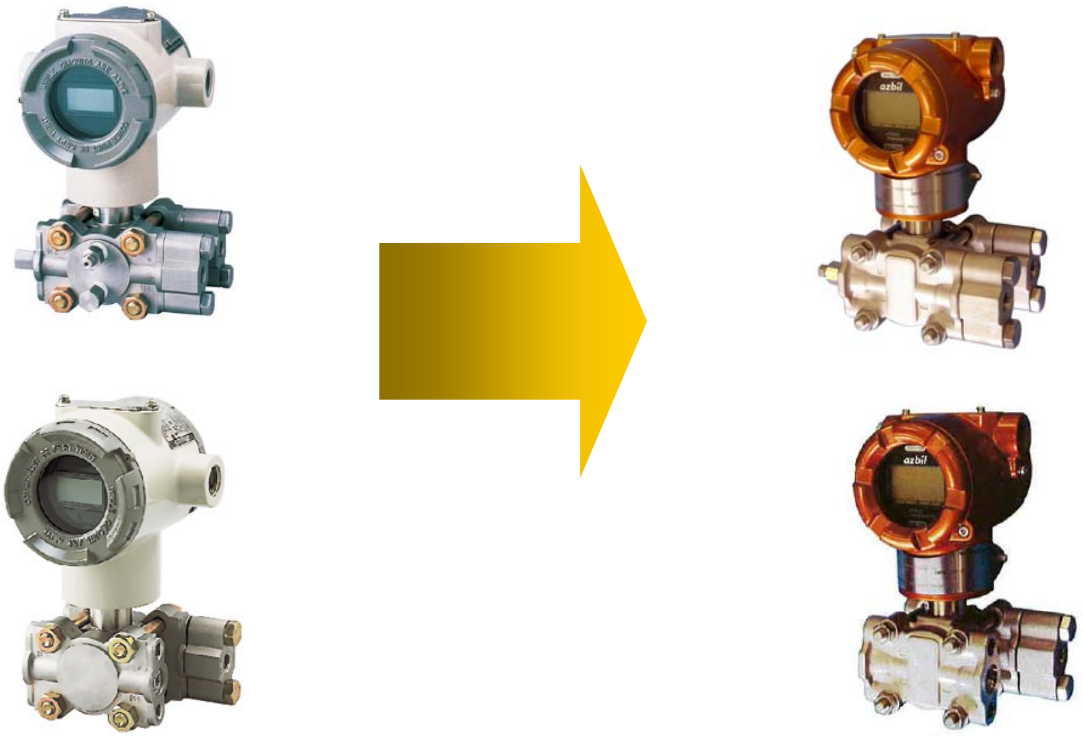
Series Name	AT9000 Model GTX	ST3000 Series 900
Model No.	GTX31D	STD920
Damping	Adjustable 0~32sec. By 10steps	Adjustable 0~32sec. By 10steps
Process connections	1/4NPT on Flange 1/4 , 1/2NPT on Flange Adapter	1/4NPT on Flange 1/4 , 1/2NPT on Flange Adapter
Failure Alarm	Available in Option (Up scale 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.

Model number conversion table

Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter



Model number conversion table

Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter

- **Model number composition**

ST [Model] [ ] - [ ] -00000-Option Ⅰ -Option Ⅱ

TOKUMI “Z”

Basic specification (3digits)	
Ⅰ	Material
Ⅱ	Fill fluid
Ⅲ	Process connection

- When “Z” is attached, the contents cannot be identified on model number.
  - You have to check the final drawing/specification which had submitted to the customer.

Model number conversion table

azbil
Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter

- **Model number composition**

ST Model - □□□-00000-Option Ⅰ-Option Ⅱ

- **Basic model number**

Type	Model S900	Model GTX	Measuring Span(GTX)	Max Working press.
Differential Pressure	STD910	GTX15D	0.1 to 2kPa	210kPa
	STD920	GTX31D	0.5 to 100kPa	21MPa
		GTX30D	0.5 to 100kPa	3.5MPa
	STD930	GTX41D	35 to 700kPa	21MPa
		GTX40D	35 to 700kPa	3.5MPa
	STD960	GTX71D	0.25 to 14MPa	21MPa
	STD921	GTX32D	0.5 to 100kPa	42MPa
	STD931	GTX42D	35 to 700kPa	42MPa
	STD961	GTX72D	0.25 to 14MPa	42MPa

– Red letter means that the performance of AT9000(GTX) is not the same as one of S900.

Model number conversion table

azbil
Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter

- **Model number composition**

ST Model - □□□-00000-Option Ⅰ-Option Ⅱ

- **Basic model number**

Type	Model S900	Model GTX	Measuring Span(GTX)	Max Working press.
Gauge Pressure	STG940	GTX60G	17.5 to 3500kPa	3500kPa
	STG960	GTX71G	0.7 to 14MPa	21MPa
	STG980	GTX82G	0.7 to 42MPa	42MPa
Absolute Pressure	STA923	GTX30A	4 to 104kPa abs	104kPa abs
	STA940	GTX60A	35 to 3500kPa abs	3500kPa abs

– **Red letter means that the performance of AT9000(GTX) is not the same as one of S900.**

Model number conversion table

azbil

Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter

- **Model number composition**

  ST Model- ■□□-00000-Option Ⅰ-Option Ⅱ

  Ⅰ. Code Ⅰ : Wetted parts material

S900 Code	Meter body cover	Adapter flange	Vent/plug	Wetted parts of flange side center body	AT9000 code GTX-□□ ■ ■ □□□- □□□□□□-options			
					Code	Ⅲ Meterbody cover vent/plug	Code	Ⅳ Centerbody
E	SCS14A	SCS14A	SUS316	Diaphragm:SUS316L Others:SUS316	A	SCS14A 316 SST	A	316 SST
F	SCS14A	SCS14A	SUS316	Diaphragm:Hastelloy C-276 Others: Hastelloy C-276	A	SCS14A 316 SST	B	ASTM B575
H	SCS14A	SCS14A	SUS316	Diaphragm:Tantalum Others: Tantalum	A	SCS14A 316 SST	C	Tantalum
U	SCS14A	SCS14A	SUS316	Diaphragm: SUS316L Others: SUS316L	A	SCS14A 316 SST	D	316L SST
M	PVC	PVC	PVC	Diaphragm:Hastelloy C-276 Others: Hastelloy C-276	C	PVC PVC	B	ASTM B575
P	PVC	PVC	PVC	Diaphragm:Tantalum Others: Tantalum	C	PVC PVC	C	Tantalum

Model number conversion table

Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter

- **Model number composition**

ST Model- □■□-00000-Option Ⅰ-Option Ⅱ

Code Ⅱ :Fill fluid

S900 Code	Description	AT9000 code GTX-□■□□□□□-□□□□□□-options	
		Code	Ⅱ Fill fluid
1	Regular type (Silicone oil)	A	Regular type (Silicone oil)
2	For oxygen service (Fluorine oil)	H	For oxygen service (Fluorine oil)
5	For chlorine service (Fluorine oil)	J	For chlorine service (Fluorine oil)

Model number conversion table

azbil

Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter

- **Model number composition**

ST Model - □□ ■-00000-Option Ⅰ-Option Ⅱ　Code Ⅲ :Process connection

S900 Code	Description		AT9000 code GTX-□□□□ ■ ■ □- □□□□□□-options			
			Code	Ⅴ Process connection	Code	Ⅵ Process installation
J	Front connection	Rc1/2 with adapter flange	A	Rc1/2 with adapter flange	C	Horizontal piping,front connection
H		1/2NPT internal thread with adapter flange	D	1/2NPT internal thread with adapter flange	C	Horizontal piping,front connection
M		Rc1/4 with adapter flange	B	Rc1/4 with adapter flange	C	Horizontal piping,front connection
N		1/4NPT internal thread with adapter flange	E	1/4NPT internal thread with adapter flange	C	Horizontal piping,front connection
P		1/4 NPT internal thread on head	F	1/4 NPT internal thread without adapter flange	C	Horizontal piping,front connection
Q	Top or bottom connection	Rc1/2 with adapter flange	A	Rc1/2 with adapter flange	A/B	Vertical piping, Top/Bottom connection
R		1/2NPT internal thread with adapter flange	D	1/2NPT internal thread with adapter flange	A/B	Vertical piping, Top/Bottom connection
S		Rc1/4 with adapter flange	B	Rc1/4 with adapter flange	A/B	Vertical piping, Top/Bottom connection
T		1/4NPT internal thread with adapter flange	E	1/4NPT internal thread with adapter flange	A/B	Vertical piping, Top/Bottom connection
U		1/4 NPT internal thread on head	F	1/4 NPT internal thread without adapter flange	A/B	Vertical piping, Top/Bottom connection

Model number conversion table

azbil

Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter Option Ⅰ

S900	Description	AT9000		
L	Lightning arrester	No need to select codes. Every model includes Lightning arrester		
P	Built in indicating smart meter (0 to 100% Liner scales)	Selection Ⅱ	Ⅲ. Indicator	A:With indicator
R	Built in indicating smart meter (engineering unit scales)	Selection Ⅱ	Ⅲ. Indicator	A:With indicator
W	SUS304 bolt and nuts material	Selection Ⅰ	Ⅶ. Bolt/nut	B:304 SST
U	SUS630 bolt and nuts material	Selection Ⅰ	Ⅶ. Bolt/nut	C:630 SST
A	Corrosion-resistant finish	Selection Ⅱ	Ⅳ. Paint	X: Standard
B	Corrosion-proof finish	Selection Ⅱ	Ⅳ. Paint	B: Corrosion proof
D	Corrosion resistant finish, silver paint	Selection Ⅱ	Ⅳ. Paint	D: Corrosion resistant (Silver coating)
K	Oil free finish	Option	--	K3: Oil free finish
J	Long vent/drain plugs	Option	--	G4: long vent/drain plugs
3	FM explosion proof	Selection Ⅱ	Ⅱ. Explosion proof	F1: FM Explosion proof
4	FM Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	F2: FM intrinsically safe
5	Combination of FM Explosion proof and Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	F6: Combined of FM explosion proof, intrinsically safe, and Nonincendive
6	ATEX Flameproof	Selection Ⅱ	Ⅱ. Explosion proof	A1: ATEX Explosion proof
7	ATEX Intrinsic safety	Selection Ⅱ	Ⅱ. Explosion proof	A1: ATEX Explosion proof
8	CSA Explosion proof	Selection Ⅱ	Ⅱ. Explosion proof	[ ]

"[ ]" in GTX column means, not available at now (for future).

Model number conversion table

azbil

Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter

Option Ⅱ(1)

S900	Description	AT9000		
A1	Adapter flange for corrosion-resistant application	Option	--	A1: Adapter flange for corrosion-resistant application
A4	Burn-out feature (Lower limit of abnormal condition)	Selection Ⅱ	Ⅴ.Failure alarm	B: Lower limit
A5	Burn-out feature (Upper limit of abnormal condition)	Selection Ⅱ	Ⅴ.Failure alarm	A: Upper limit
A7	Water free finish (with Oil free finish)	Option	--	K1: Oil and water free finish
C1	NEPSI Flameproof	Selection Ⅱ	Ⅱ. Explosion proof	N1: NEPSI Explosion proof
C2	NEPSI Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	N2: NEPSI Intrinsically safe
C7	Custom calibration	Option	--	R1: Custom calibration
D5	Digital output	Selection Ⅰ	Ⅰ. Output	D: Digital output (DE communication)
D7	HART communication	Selection Ⅰ	Ⅰ. Output	B: 4 to 20mA (HART communication)
E1	One elbow	Option	--	G1: One elbow(right)
E2	Two elbows	Option	--	G3: Two elbows
E5	External zero /Span adjustment	Option	--	A2: With external zero/span adjustment
E9	Mounting bracket	Selection Ⅱ	Ⅵ. Mounting bracket	3/4/5/6: (Select suitable bracket)

“[ ]” in GTX column means, not available at now (for future).

Model number conversion table

Internal use only

1. Standard type ; Differential/Gauge/Absolute Pressure transmitter

Option Ⅱ(2)

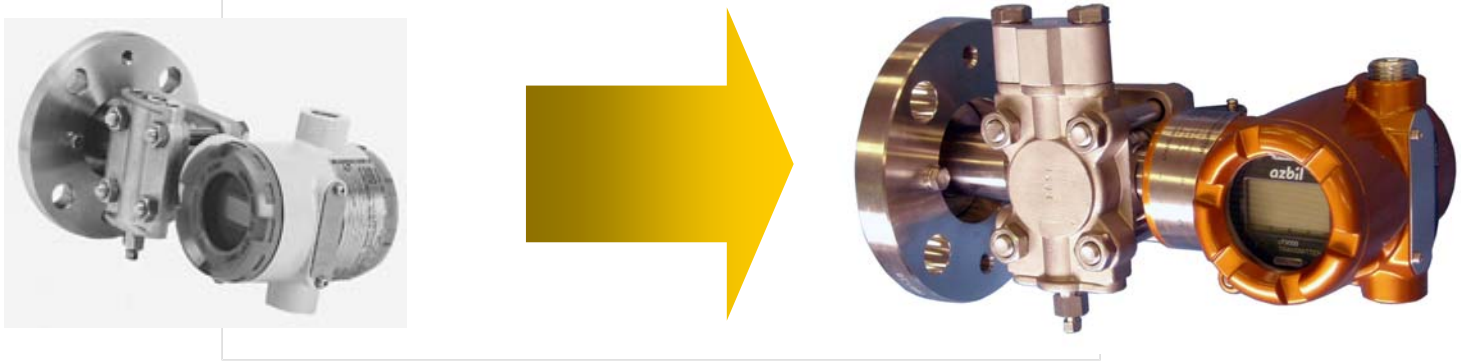
S900	Description	AT9000		
F1	Side vent/drain top	Option	--	G6: Side vent/drain top
F2	Side vent/drain bottom	Option	--	G7: Side vent/drain bottom
H1	PED (97/23/EC) conformity	Option	--	[ ]
H2	Material certificate	Option	--	T2: Mill certificate
H3	Max. working pressure 20MPa	No need to select any codes.		
U1	SI unit	No need to select any codes. SI units is default unit for AT9000		

"[ ]" in GTX column means, not available at now (for future).

Model number conversion table

Internal use only

2. Flange mounted type differential pressure transmitter



Model number conversion table

Internal use only

2. Flange mounted type differential pressure transmitter Model number composition

ST Model □ - □ -00000-Option Ⅰ -Option Ⅱ

TOKUMI “Z”

Basic specification (8digits)	
Ⅰ	Material
Ⅱ	Fill fluid
Ⅲ	Process connection
Ⅳ	Flange standard
Ⅴ	Flange type & rating
Ⅵ	Flange material
Ⅶ	Finish of gasket face
Ⅷ	Length of extended parts

- When “Z” is attached, the contents cannot be identified on model number.
  - You have to check the final drawing/specification which had submitted to the customer.

Model number conversion table

Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model - □□□□□□□-00000-Option Ⅰ-Option Ⅱ

- **Basic model number**

Type	Model S900	Model GTX	Measuring Span	Max Working press.
Flange mounted Differential Pressure	STC929	GTX35F	2.5 to 100kPa	Up to flange rating
	STC940	GTX60F	35 to 700kPa	

Model number conversion table

azbil

Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model- ■□□□□□□□-00000-Option Ⅰ-Option Ⅱ

Code Ⅰ : Wetted parts material

S900 Code	Meter body cover	Adapter flange	Vent/plug	Wetted parts of center body	AT9000 code GTX-□□■■□□□□□□□- □□□□□□-options			
					Code	Ⅲ Meterbody cover vent/plug	Code	Ⅳ Centerbody
A	Carbon steel	SCS14A	SUS316	Diaphragm:SUS316L Others:SUS316	A	SCS14A	A	316 SST
B	Carbon steel	SCS14A	SUS316	Diaphragm:Hastelloy C-276 Others: Hastelloy C-276	A	SCS14A	B	ASTM B575
D	Carbon steel	SCS14A	SUS316	Diaphragm:Tantalum Others: Tantalum	A	SCS14A	C	Tantalum
E	SCS14A	SCS14A	SUS316	Diaphragm:SUS316L Others:SUS316	A	SCS14A	A	316 SST
F	SCS14A	SCS14A	SUS316	Diaphragm:Hastelloy C-276 Others: Hastelloy C-276	A	SCS14A	B	ASTM B575
H	SCS14A	SCS14A	SUS316	Diaphragm:Tantalum Others: Tantalum	A	SCS14A	C	Tantalum
U	SCS14A	SCS14A	SUS316	Diaphragm: SUS316L Others: SUS316L	A	SCS14A	D	316L SST

Model number conversion table

azbil
Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model - □■□□□□□□-00000-Option Ⅰ-Option Ⅱ

Code II :Fill fluid

S900 Code	Description	AT9000 code GTX-□■□□□□□□□- □□□□□-options	
		Code	Ⅱ Fill fluid
1	Regular type (Silicone oil)	A	Regular type (Silicone oil)
2	For oxygen service (Fluorine oil)	H	For oxygen service (Fluorine oil)
5	For chlorine service (Fluorine oil)	J	For chlorine service (Fluorine oil)

Model number conversion table

azbil

Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model - □□■□□□□□-00000-Option Ⅰ-Option Ⅱ

Code Ⅲ :Process connection

S900 Code	Description		AT9000 code GTX-□□□□■■□□□□□- □□□□□□-options			
			Code	Ⅴ Process connection	Code	Ⅳ Process installation
Q	Top or bottom connection	Rc1/2 with adapter flange	A	Rc1/2 with adapter flange	A/B	Vertical piping, Top/Bottom connection
R		1/2NPT internal thread with adapter flange	D	1/2NPT internal thread with adapter flange	A/B	Vertical piping, Top/Bottom connection
S		Rc1/4 with adapter flange	B	Rc1/4 with adapter flange	A/B	Vertical piping, Top/Bottom connection
T		1/4NPT internal thread with adapter flange	E	1/4NPT internal thread with adapter flange	A/B	Vertical piping, Top/Bottom connection
U		1/4 NPT internal thread on head	F	1/4 NPT internal thread without adapter flange	A/B	Vertical piping, Top/Bottom connection
H		Open to atmosphere	H	Open to atmosphere	X	No connection

Model number conversion table

azbil

Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model□□□■ ■ □□□ -00000-Option Ⅰ-Option Ⅱ

Code Ⅳ :Flange standard

Code Ⅴ :Flange type & rating

	Description		Description	AT9000 code GTX-□□□□□□■□□□□ - □□□□□□-options	
S900 Code	Ⅳ Flange standard	S900 Code	Ⅴ Flange type & rating	Code	Ⅶ Flange rating
A	ANSI Flange	A	JIS 10K, ANSI/JPI 150 (RF) equivalent	A1	ANSI 150
		B	JIS 20K, ANSI/JPI 300 (RF) equivalent	A2	ANSI 300
		C	JIS 30K, ANSI/JPI 600 (RF) equivalent	A3	ANSI 600
J	JIS Flange	A	JIS 10K, ANSI/JPI 150 (RF) equivalent	J1	JIS 10K
		B	JIS 20K, ANSI/JPI 300 (RF) equivalent	J3	JIS 20K
		C	JIS 30K, ANSI/JPI 600 (RF) equivalent	J4	JIS 30K
P	JPI Flange	A	JIS 10K, ANSI/JPI 150 (RF) equivalent	P1	JPI 150
		B	JIS 20K, ANSI/JPI 300 (RF) equivalent	P2	JPI 300
		C	JIS 30K, ANSI/JPI 600 (RF) equivalent	P3	JPI 600

Model number conversion table

azbil

Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model - □□□ □□■□□ -00000-Option Ⅰ-Option Ⅱ

Code Ⅵ: Flange material

S900 Code	Description	AT9000 code GTX-□□□□□□□□□■□ - □□□□□□-options	
		Code	Ⅹ Flange material /bolt nut material
7	SUS304	A	304 SST/ 304SST*
		D	304 SST/Carbon steel
2	SUS316	E	316 SST/ 304SST*
		H	316 SST/Carbon steel
8	SUS316L	J	316L SST/304 SST*
		M	316L SST/Carbon steel

– *In case Option Ⅰ code W “ SUS304 Bolt and nuts” of S900 is selected, please select code A, E, or H of AT9000.

Model number conversion table

Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model - □□□ □□ □ ■□ -00000-Option Ⅰ-Option Ⅱ

Code Ⅶ: Finish of gasket Face

S900 Code	Description	AT9000 code GTX-□□□□□□□□□□■ - □□□□□□-options	
		Code	Ⅹ Ⅰ Gasket face finish
J	Standard (JIS Ra3.2) (12.5S))	A	None Standard JIS Ra3.2 (12.5S)

Model number conversion table

azbil

Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model - □□□ □□□□■ -00000-Option Ⅰ -Option Ⅱ

Code Ⅷ: Length of extended parts (1)

S900 Code		AT9000 code GTX-□□□□□□□■■□□- □□□□□□-options			
		Code	Ⅷ Flange size	Code	Ⅸ Flange type
00	Flush diaphragm 3 inches (80mm)	F	3 in. /80A	A	Flush type
01	Flush diaphragm 2 inches (50mm)	E	2 in. /50A	A	Flush type
02	Flush diaphragm 1.5 inches (40mm)	D	1.5 in. 40A	A	Flush type
05	L=50mm (3 inches/ 80 mm)	F	3 in. /80A	B	Extended length 50mm
10	L=100mm (3 inches/ 80 mm)	F	3 in. /80A	C	Extended length 100mm
15	L=150mm (3 inches/ 80 mm)	F	3 in. /80A	D	Extended length 150mm
06	L=50mm (2 inches / 50 mm)	E	2 in. /50A	B	Extended length 50mm
11	L=100mm (2 inches / 50 mm)	E	2 in. /50A	C	Extended length 100mm
16	L=150mm (2 inches/ 50 mm)	E	2 in. /50A	D	Extended length 150mm

Model number conversion table

azbil

Internal use only

2. Flange mounted type differential pressure transmitter

- **Model number composition**

ST Model - □□□ □□□□■ -00000-Option Ⅰ -Option Ⅱ

Code Ⅷ: Length of extended parts (2)

S900 Code		AT9000 code GTX-□□□□□□□■■□□- □□□□□□-options			
		Code	Ⅷ Flange size	Code	Ⅸ Flange type
06	L=50mm (2 inches / 50 mm)	E	2 in. /50A	B	Extended length 50mm
11	L=100mm (2 inches / 50 mm)	E	2 in. /50A	C	Extended length 100mm
16	L=150mm (2 inches/ 50 mm)	E	2 in. /50A	D	Extended length 150mm
09	L=50mm (4 inches / 100 mm)	G	4 in. /80A	B	Extended length 50mm
14	L=100mm (4 inches / 100 mm)	G	4 in. /80A	C	Extended length 100mm
19	L=150mm (4 inches/ 100 mm)	G	4 in. /80A	D	Extended length 150mm
24	L=200mm (4 inches / 100 mm)	G	4 in. /80A	E	Extended length 200mm
29	L=250mm (4 inches / 100 mm)	G	4 in. /80A	F	Extended length 250mm
34	L=300mm (4 inches/ 100 mm)	G	4 in. /80A	G	Extended length 300mm

Model number conversion table

azbil

Internal use only

2. Flange mounted type differential pressure transmitter

Option Ⅰ

S900	Description	AT9000		
L	Lightning arrester	No need to select codes. Every model includes Lightning arrester		
P	Built in indicating smart meter (0 to 100% Liner scales)	Selection Ⅱ	Ⅲ. Indicator	A:With indicator
R	Built in indicating smart meter (engineering unit scales)	Selection Ⅱ	Ⅲ. Indicator	A:With indicator
W	SUS304 bolt and nuts material	Selection Ⅰ	Ⅶ. Bolt/nut	B:304 SST
U	SUS630 bolt and nuts material	Selection Ⅰ	Ⅶ. Bolt/nut	[ ] *select304 or carbon steel
A	Corrosion-resistant finish	Selection Ⅱ	Ⅳ. Paint	X: Standard
B	Corrosion-proof finish	Selection Ⅱ	Ⅳ. Paint	B: Corrosion proof
D	Corrosion resistant finish, silver paint	Selection Ⅱ	Ⅳ. Paint	D: Corrosion resistant (Silver coating)
K	Oil free finish	Option	--	K3: Oil free finish
J	Long vent/drain plugs	Option	--	G4: long vent/drain plugs
3	FM explosion proof	Selection Ⅱ	Ⅱ. Explosion proof	F1: FM Explosion proof
4	FM Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	F2: FM intrinsically safe
5	Combination of FM Explosion proof and Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	F6: Combined of FM explosion proof, intrinsically safe, and Nonincendive
6	ATEX Flameproof	Selection Ⅱ	Ⅱ. Explosion proof	A1: ATEX Explosion proof
7	ATEX Intrinsic safety	Selection Ⅱ	Ⅱ. Explosion proof	A1: ATEX Explosion proof
8	CSA Explosion proof	Selection Ⅱ	Ⅱ. Explosion proof	[ ]

“[ ]” in GTX column means, not available at now (for future).

Model number conversion table

Internal use only

2. Flange mounted type differential pressure transmitter

Option Ⅱ

S900	Description	AT9000		
A4	Burn-out feature (Lower limit of abnormal condition)	Selection Ⅱ	Ⅴ.Failure alarm	B: Lower limit
A5	Burn-out feature (Upper limit of abnormal condition)	Selection Ⅱ	Ⅴ.Failure alarm	A: Upper limit
A7	Water free finish (with Oil free finish)	Option	--	K1: Oil and water free finish
C1	NEPSI Flameproof	Selection Ⅱ	Ⅱ. Explosion proof	N1: NEPSI Explosion proof
C2	NEPSI Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	N2: NEPSI Intrinsically safe
C7	Custom calibration	Option	--	R1: Custom calibration
D5	Digital output	Selection Ⅰ	Ⅰ. Output	D: Digital output (DE communication)
D7	HART communication	Selection Ⅰ	Ⅰ. Output	B: 4 to 20mA (HART communication)
E1	One elbow	Option	--	G1: One elbow(right)
E2	Two elbows	Option	--	G3: Two elbows
E5	External zero /Span adjustment	Option	--	A2: With external zero/span adjustment
F4	0.1 mm thickness diaphragm	Option	--	M5: 0.1 mm thickness diaphragm
H2	Material certificate	Option	--	T2: Mill certificate
U1	SI unit	No need to select any codes. SI units is default unit for AT9000		

“[ ]” in GTX column means, not available at now (for future).

Model number conversion table

azbil
Internal use only

2. Flange mounted type differential pressure transmitter

Model number conversion table

Internal use only

2. Remote sealed type pressure transmitter

Model number composition

ST Model □ - □ -00000-Option Ⅰ -Option Ⅱ

TOKUMI “Z”

Basic specification (8digits)	
Ⅰ	Fill fluid
Ⅱ	Flange standard
Ⅲ	Flange type & rating Process connection
Ⅳ	Flange material
Ⅴ	Material of wetted parts
Ⅵ	Finish of gasket face
Ⅶ	Length of extended parts
Ⅷ	Length of capillary tube

- When “Z” is attached, the contents cannot be identified on model number.
  - You have to check the final drawing/specification which had submitted to the customer.

Model number conversion table

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Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model- □□□□□□□□-00000-Option Ⅰ-Option Ⅱ

- **Basic model number**

Type	Model S900	Model GTX	Measuring span	Max Working press.
Remote sealed Differential Pressure	STE929	GTX35R	2.5 to 100kPa	Up to flange rating
	STE930	GTX40R	35 to 700kPa	
Remote sealed Gauge Pressure	STH920	GTX35U	2.5 to 100kPa	Up to flange rating
	STH940	GTX60U	35 to 3500kPa	
	STH960	GTX71U	0.7 to 10MPa	
	STH980	GTX82U	0.7 to 42kPa	
Remote sealed Absolute Pressure	STS922	GTX30S	4 to 104kPa abs	104kPa abs
	STS940	GTX60S	35 to 3500kPa abs	3500kPa abs

Model number conversion table

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Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model - ■□□□□□□□-00000-Option Ⅰ-Option Ⅱ

Code Ⅰ : Fill fluid

S900 Code	Description	AT9000 code GTX-□■□□□□□□□- □□□□□□-options	
		Code	Ⅱ Fill fluid
1	Regular type (Silicone oil)	A	Regular type (Silicone oil)
2	For oxygen service (Fluorine oil)	H	For oxygen service (Fluorine oil)
3	For high-temperature service (Silicone oil)	B	For high-temperature service (Silicone oil)
4	For high-temperature / vacuum service (silicone oil)	C	For high-temperature / vacuum service (silicone oil)
5	For chlorine service (Fluorine oil)	J	For chlorine service (Fluorine oil)
7	For high-temperature / high vacuum service (silicone oil)	D	For high-temperature / high vacuum service (silicone oil)

Model number conversion table

Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model - □■■□□□□□-00000-Option Ⅰ-Option Ⅱ

Code Ⅱ :Flange standard

Code Ⅲ: Flange type & rating

	Description		Description	AT9000 code GTX-□□□ ■ □□□□□ - □□□□□□-options	
S900 Code	Ⅱ:Flange standard	S900 Code	Ⅲ:Flange type & rating	Code	Ⅳ:Flange rating
A	ANSI Flange	A	JIS 10K, ANSI/JPI 150 (RF) equivalent	A1	ANSI 150
		B	JIS 20K, ANSI/JPI 300 (RF) equivalent	A2	ANSI 300
		C	JIS 30K, ANSI/JPI 600 (RF) equivalent	A3	ANSI 600
J	JIS Flange	A	JIS 10K, ANSI/JPI 150 (RF) equivalent	J1	JIS 10K
		B	JIS 20K, ANSI/JPI 300 (RF) equivalent	J3	JIS 20K
		C	JIS 30K, ANSI/JPI 600 (RF) equivalent	J4	JIS 30K
P	JPI Flange	A	JIS 10K, ANSI/JPI 150 (RF) equivalent	P1	JPI 150
		B	JIS 20K, ANSI/JPI 300 (RF) equivalent	P2	JPI 300
		C	JIS 30K, ANSI/JPI 600 (RF) equivalent	P3	JPI 600

Model number conversion table

azbil

Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model - □□□■□□□□ -00000-Option Ⅰ -Option Ⅱ

Code Ⅳ: Flange material

S900 Code	Description	AT9000 code GTX-□□□□□□■□□ - □□□□□□-options	
		Code	Ⅶ Flange material /bolt nut material
7	SUS304	A	304 SST/ 304 SST*
		C	304 SST/ 630 SST*
		D	304 SST/Carbon steel
2	SUS316	E	316 SST/ 304 SST*
		G	316 SST/ 630 SST*
		H	316 SST/Carbon steel
8	SUS316L	J	316L SST/304 SST*
		L	316L SST/ 630 SST*
		M	316L SST/Carbon steel

- *In case Option Ⅰ code W " SUS304 Bolt and nuts" of S900 is selected, please select code A, E, or H of AT9000.
- *In case Option Ⅰ code U " SUS630 Bolt and nuts" of S900 is selected, please select code A, E, or H of AT9000.

Model number conversion table

Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model- □□□□■□□□-00000-Option Ⅰ-Option Ⅱ

Code Ⅴ :Material of wetted parts

S900 Code	Description	AT9000 code GTX-□□■□□□□□□- □□□□□□-options	
		Code	Ⅲ: Wetted parts material
2	SUS316 (Diaphragm:SUS316L,others: SUS316)	A	316 SST (Diaphragm :316L SST)
8	SUS316L (Diaphragm:SUS316L, others: SUS316L)	D	316L SST
4	Tantalum (Diaphragm: Tantalum , Others: Tantalum)	C	Tantalum
9	Hastelloy C-276 (Diaphragm Hastelloy C-276, others: Hastelloy C-276)	B	ASTM B575 (Equivalent to Hastelloy C-276)

Model number conversion table

Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model - □□□□□□■□ -00000-Option Ⅰ-Option Ⅱ

Code Ⅵ: Finish of gasket Face

S900 Code	Description	AT9000 code GTX-□□□□□□□■□ - □□□□□□-options	
		Code	Ⅷ: Gasket face finish
J	Standard (JIS Ra3.2) (12.5S))	A	None Standard JIS Ra3.2 (12.5S)

Model number conversion table

azbil

Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model - □□□□□□■□ -00000-Option Ⅰ-Option Ⅱ

Code Ⅶ: Length of extended parts (1)

S900 Code	Description	AT9000 code GTX-□□□□■■□□□- □□□□□□-options			
		Code	Ⅴ: Flange size	Code	Ⅵ: Flange type
00	Flush diaphragm 3 inches (80mm)	F	3 in. /80A	A	Flush type
01	Flush diaphragm 2 inches (50mm)	E	2 in. /50A	A	Flush type
02	Flush diaphragm 1.5 inches (40mm)	D	1.5 in. 40A	A	Flush type
05	L=50mm (3 inches/ 80 mm)	F	3 in. /80A	B	Extended length 50mm
10	L=100mm (3 inches/ 80 mm)	F	3 in. /80A	C	Extended length 100mm
15	L=150mm (3 inches/ 80 mm)	F	3 in. /80A	D	Extended length 150mm
20	L=200mm (3 inches/ 80 mm)	F	3 in. /80A	E	Extended length 200mm
25	L=250mm (3 inches/ 80 mm)	F	3 in. /80A	F	Extended length 250mm
30	L=300mm (3 inches/ 80 mm)	F	3 in. /80A	G	Extended length 300mm

Model number conversion table

azbil

Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model - □□□□□□■□ -00000-Option Ⅰ -Option Ⅱ

Code Ⅶ: Length of extended parts (2)

S900 Code	Description	AT9000 code GTX-□□□□■■□□□- □□□□□□-options			
		Code	Ⅴ: Flange size	Code	Ⅵ: Flange type
06	L=50mm (2 inches / 50 mm)	E	2 in. /50A	B	Extended length 50mm
11	L=100mm (2 inches / 50 mm)	E	2 in. /50A	C	Extended length 100mm
16	L=150mm (2 inches/ 50 mm)	E	2 in. /50A	D	Extended length 150mm
21	L=200mm (2 inches / 50 mm)	E	2 in. /50A	E	Extended length 200mm
26	L=250mm (2 inches / 50 mm)	E	2 in. /50A	F	Extended length 250mm
31	L=300mm (2 inches/ 50 mm)	E	2 in. /50A	G	Extended length 300mm
09	L=50mm (4 inches / 100 mm)	G	4 in. /80A	B	Extended length 50mm
14	L=100mm (4 inches / 100 mm)	G	4 in. /80A	C	Extended length 100mm
19	L=150mm (4 inches/ 100 mm)	G	4 in. /80A	D	Extended length 150mm
24	L=200mm (4 inches / 100 mm)	G	4 in. /80A	E	Extended length 200mm
29	L=250mm (4 inches / 100 mm)	G	4 in. /80A	F	Extended length 250mm
34	L=300mm (4 inches/ 100 mm)	G	4 in. /80A	G	Extended length 300mm

Model number conversion table

azbil
Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model - □□□□□□□■ -00000-Option Ⅰ -Option Ⅱ

Code Ⅷ: Length of capillary tube

S900 Code	Description	AT9000 code GTX-□□□□□□□□■- □□□□□□-options	
		Code	Ⅸ Capillary length
2	2 m	02	2 m
3	3 m	03	3 m
4	4 m	04	4 m
5	5 m	05	5 m
6	6 m	06	6 m
7	7 m	07	7 m
8	8 m	08	8 m
9	9 m	09	9 m
A	10 m	10	10 m

Model number conversion table

azbil
Internal use only

3. Remote sealed type pressure transmitter

- **Model number composition**

ST Model - □□□□□□□■ -00000-Option Ⅰ-Option Ⅱ

Code Ⅷ: Length of capillary tube with olefin coating

S900 Code	Description	AT9000 code GTX-□□□□□□□□■- □□□□□□-options	
		Code	Ⅸ Capillary length
B	2 m	A2	2 m (with Olefin Cover)
C	3 m	A3	3 m (with Olefin Cover)
H	4 m	A4	4 m (with Olefin Cover)
D	5 m	A5	5 m (with Olefin Cover)
J	6 m	A6	6 m (with Olefin Cover)
E	7 m	A7	7 m (with Olefin Cover)
F	8 m	A8	8 m (with Olefin Cover)
K	9 m	A9	9 m (with Olefin Cover)
G	10 m	A0	10 m (with Olefin Cover)

Model number conversion table

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Internal use only

3. Remote sealed type pressure transmitter

Option Ⅰ

S900	Description	AT9000		
L	Lightning arrester	No need to select codes. Every model includes Lightning arrester		
P	Built in indicating smart meter (0 to 100% Liner scales)	Selection Ⅱ	Ⅲ. Indicator	A:With indicator
R	Built in indicating smart meter (engineering unit scales)	Selection Ⅱ	Ⅲ. Indicator	A:With indicator
W	SUS304 bolt and nuts material	Selection Ⅰ	Ⅶ. Bolt/nut	B:304 SST
U	SUS630 bolt and nuts material	Selection Ⅰ	Ⅶ. Bolt/nut	C:630 SST
A	Corrosion-resistant finish	Selection Ⅱ	Ⅳ. Paint	X: Standard
B	Corrosion-proof finish	Selection Ⅱ	Ⅳ. Paint	B: Corrosion proof
D	Corrosion resistant finish, silver paint	Selection Ⅱ	Ⅳ. Paint	D: Corrosion resistant (Silver coating)
K	Oil free finish	Option	--	K3: Oil free finish
3	FM explosion proof	Selection Ⅱ	Ⅱ. Explosion proof	F1: FM Explosion proof
4	FM Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	F2: FM intrinsically safe
5	Combination of FM Explosion proof and Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	F6: Combined of FM explosion proof, intrinsically safe, and Non-incendive
6	ATEX Flameproof	Selection Ⅱ	Ⅱ. Explosion proof	A1: ATEX Explosion proof
7	ATEX Intrinsic safety	Selection Ⅱ	Ⅱ. Explosion proof	A1: ATEX Explosion proof
8	CSA Explosion proof	Selection Ⅱ	Ⅱ. Explosion proof	[ ]

“[ ]” in GTX column means, not available at now (for future).

Model number conversion table

azbil

Internal use only

3. Remote sealed type pressure transmitter

Option Ⅱ

S900	Description	AT9000		
A4	Burn-out feature (Lower limit of abnormal condition)	Selection Ⅱ	Ⅴ.Failure alarm	B: Lower limit
A5	Burn-out feature (Upper limit of abnormal condition)	Selection Ⅱ	Ⅴ.Failure alarm	A: Upper limit
A7	Water free finish (with Oil free finish)	Option	--	K1: Oil and water free finish
C1	NEPSI Flameproof	Selection Ⅱ	Ⅱ. Explosion proof	N1: NEPSI Explosion proof
C2	NEPSI Intrinsically safe	Selection Ⅱ	Ⅱ. Explosion proof	N2: NEPSI Intrinsically safe
C7	Custom calibration	Option	--	R1: Custom calibration
D5	Digital output	Selection Ⅰ	Ⅰ. Output	D: Digital output (DE communication)
D7	HART communication	Selection Ⅰ	Ⅰ. Output	B: 4 to 20mA (HART communication)
E1	One elbow	Option	--	G1: One elbow(right)
E2	Two elbows	Option	--	G3: Two elbows
E5	External zero /Span adjustment	Option	--	A2: With external zero/span adjustment
F4	0.1 mm thickness diaphragm	Option	--	M5: 0.1 mm thickness diaphragm
H2	Material certificate	Option	--	T2: Mill certificate
R8	Direct mounting kit	Selection Ⅱ	Ⅵ. Mounting Bracket	D: Direct mounting kit
U1	SI unit	No need to select any codes. SI units is default unit for AT9000		

"[ ]" in GTX column means, not available at now (for future).