

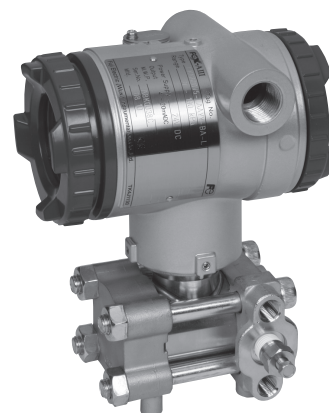
## ABSOLUTE PRESSURE TRANSMITTER

### DATA SHEET

### FKA...5/FDA...5

The FCX -AIII absolute pressure transmitter accurately measures absolute pressure and converts it into an output signal of 4~20mA DC.

The transmitter utilizes a unique micromachined capacitance silicon sensor with state-of-the-art microprocessor technology to provide exceptional performance and functionality. Its small volume, light weight, good environment adaptability, and applicable to all fields. If using the hand held communicator(sold separately), it can be set and display via remote operation, without affecting the DC 4~20mA output signal of transmitter. FCX-AIII series transmitters with safety function have obtained the certificate of SIL certification by TÜV.



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### Features

- High accuracy**  
Absolute pressure transmitter can be carried out with high accuracy measurement in the range of 1.6 ~ 50000kPa abs.  
Standard accuracy:  $\pm 0.1\%$ , Accuracy(50MPa):  $\pm 0.2\%$   
High accuracy(optional):  $\pm 0.065\%$
- Excellent environmental adaptability**  
The advanced floating cell protects sensor from temperature and overpressure effect, and controls the total measurement error of the field to the minimum.
- Excellent operability and easy to use**  
It has an excellent operability and easy to use in any application.
  - All range meet the requirements of explosion-proof.
  - 5-digit digital indicator
  - Stainless steel AMP case
  - Built-in RFI filter and lightning arrester
  - Various anti-corrosive materials
  - Built-in local configurator with 3 push buttons
- The transmitter can communicate using FUJI, HART, communication protocol, and also can use FOUNDATION FIELDBUS or PROFIBUS protocol after changing the electronic circuit.

- Process temperature:  $-40 \sim +120^{\circ}\text{C}$   
Note: When upper range limit is 16kPa abs, the process temperature range is  $-40 \sim +85^{\circ}\text{C}$ .

- Remote function: Refer to table 1  
Note: HHC's version must be higher than 7.0 (or FXW□□□□1-□4).

- Output signal: (1)FKA: DC4~20mA+HART protocol  
(2)FDA: FOUNDATION Fieldbus protocol or PROFIBUS-PA

- Allowable load resistance:  $0 \sim 600\Omega$  (at DC 24V)  
(Refer to figure 1) For communication with HHC, min. of  $250\Omega$  resistor is required.

Power supply: (Refer to figure 1)	General	DC10.5 ~ 45V
	Intrinsic safety	DC10.5 ~ 26V
	With arrester	DC10.5 ~ 32V

- Condition of communication line: Length: up to 2km  
(0.75 ~ 1.25mm<sup>2</sup> Using twisted pair cable when instrument control cable is more than 1km.)

Load resistance:  $250 \sim 600\Omega$   
(DC24V, including resistance of cable)

Load capacitance:  $0.22\mu\text{F}$  or less

Load inductance:  $3.3\text{mH}$  or less

sapcing with power line: 15cm or more  
(Please avoid parallel wiring.)

- Note: Line condition of intrinsic safety and explosion-proof is different, please refer to the instruction manual.
- Saturation current: Upper limit  $20.0 \sim 22.5\text{mA}$ (variable)  
Lower limit  $3.2 \sim 4.0\text{mA}$ (variable)
- Damping: The time constant is adjustable from 0.06 to 32 seconds.
- Adjustment function: Zero and span are adjustable by the external adjustment screw, or by local configurator with 3 push buttons, or by HHC.
- Zero elevation/suppression: Zero can be elevated or suppressed within the range of 0 kPa abs to upper rang limit.
- Normal/reverse action: Selectable from HHC or LCD unit with local adjustment function.

### Specifications

#### Functional specifications

- Measured fluid: Liquid, gas, or vapor
- Range, operating pressure, and overrange limit:

Type	Operating pressure (kPa abs)	Span limit (kPa abs)		Range limit (kPa abs)		Overrange limit (MPa)
		Min.	Max.	Lower	Upper	
FKA □01 FDA □01	0 ~ 16	1.6	16	0	16	0.5
FKA □02 FDA □02	0 ~ 130	1.6	130	0	130	0.5
FKA □03 FDA □03	0 ~ 500	5	500	0	500	1.5
FKA □04 FDA □04	0 ~ 3000	30	3000	0	3000	9
FKA □05 FDA □05	0 ~ 10000	100	10000	0	10000	15
FKA □06 FDA □06	0 ~ 50000	500	50000	0	50000	75

Note: Recommended span should be greater than 1/40 of max. span.

- Burnout direction: Output hold  
Output 20.0 ~ 22.5mA (variable)  
Output 3.2 ~ 4.0mA (variable)  
(Settable in increments of 0.1mA with HHC or local configurator unit with LCD display.)
- Explosion proof: Refer to table 6
- Ambient temperature: -40 ~ +85°C  
(With arrester: -40 ~ +60°C)  
Note: The optimum operating temperature of digital indicator is -30 ~ +80°C, response is slow below -30°C.
- Storage temperature: -40 ~ +90°C
- Weather resistance: DIN 40040 GPC
- EMC applicable standard: EN61326-1: 2006 (CE)

**Performance specifications**

Reference conditions, silicone oil fill, SUS316L diaphragms, 4 to 20mA analog output in linear mode.

- Accuracy rating: (including linearity, hysteresis, repeatability)  
For spans greater than 1/10 of URL: :  
 $\pm 0.065\%$  or  
 $\pm 0.04\%$ (21th code: H)  
For spans below 1/10 of URL:  
 $\pm \left(0.1 + 0.1 \frac{0.1 \times \text{URL}}{x}\right) \%$
- Stability: Zero shift  $\pm 0.2\%$  of upper range limit (URL) for 10 years.
- Ambient temperature effect: Changed per 28°C in the range of -40°C ~ +85°C.  
Zero shift :  $\pm \left(0.125 + 0.1 \frac{\text{URL}}{x}\right) \%$   
Total shift :  $\pm \left(0.15 + 0.1 \frac{\text{URL}}{x}\right) \%$   
In the formal : x: SPAN  
URL: Upper range limit
- Overrange effect: Zero shift  $\pm 0.2\%$  of URL for any overrange to maximum limit .
- Mounting position effect: 0.1kPa/10°
- Supply voltage effect:  $\pm 0.005\%$  /1V(DC 16.1 ~ 45V)
- Insulation strength: 500VAC, 50/60Hz, 1 min, between circuit and earth.
- Insulation resistance: More than 100MΩ at 500V DC, between circuit and earth.
- Update rate: 60ms
- Response time: Time constant: 0.08s (at 23°C)  
Dead time: approx. 0.12s

**Structure and material**

- Material of detecting unit:

Material code	Process cover	Detecting unit body	
		Seal diaphragm	Other wetted parts
V	SCS14A	SUS316L	SUS316
W	SCS14A	Hastelloy-C	SUS316
H	SCS14A	Hastelloy-C	Hastelloy-C
M	SCS14A	Monel	Monel
T	SCS14A	Tantalum	Tantalum

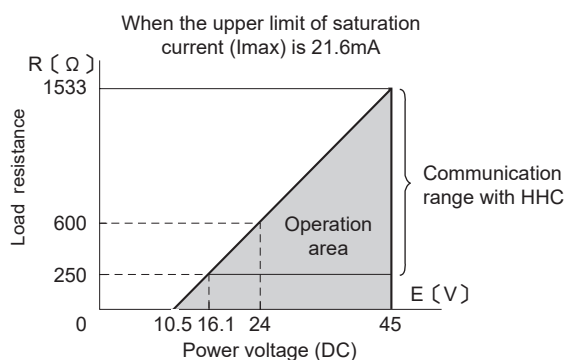
SCS14A(JIS G 5121).....CF8M(ASTM A351/A351M) Equivalent

- Amp case materials: Aluminium die casting + Polyester coating (color: silvery) or Stainless steel(SCS14A)
- Amp case cover materials: Aluminium die casting + Polyester coating (color: blue) or Stainless steel(SCS14A)
- Structure of case: Immersion protected type JIS C 0920 (Equivalent to IEC IP67, NEMA 6/6P)
- Outline dimension: According to the outline drawing.
- Weight: approx. 2.9~3.4kg (body)
- Conduit connection: G<sup>1</sup>/<sub>2</sub>, 1/2-14NPT, M20× 1.5, Pg13.5 (Refer to the model code table for details.)
- External terminal: M3.5 Screw
- Preprocess connection: Rc<sup>1</sup>/<sub>4</sub> or 1/4-18NPT (Refer to the model code table for details.)
- Mounting method: Mounting on 50A(2B) pipe with U-bolt, or mounting on the wall (according to model and specification)
- Direction of AMP unit: Amp unit can be turned clockwise or counterclockwise by 90° or 180°, relative to the direction of detecting unit.

**Optional specifications**

- Analog indicator: Built in amplifier unit  
Class 2.5, moving-coil, movement 90°, 0 ~ 100% evenly divided scale or actual scale
- Digital indicator: Built in amplifier unit, 5 digit LCD and unit display, 0 ~ 100% scale display or actual scale display. Optimum operating temperature range: -30 ~ +80°C,
- Digital indicator: Displaying or setting the items of table 1 (with 3 push buttons) via 3 push buttons of digital indicator.
- Arrester: Built in amplifier unit  
Lightning performance: 4kV(1.2× 50μs)
- NACE specifications: H<sub>2</sub>S treatment countermeasure based on NACE specification.
- Anti-corrosive coating of detecting unit: Epoxy and polyurethane double coating
- Stainless steel tag plate: The plate can be engraved up to 14 characters (letters and numbers)

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(Note) The load resistance varies according to the upper limit of saturation current.

$$R (\Omega) = \frac{E (V) - 10.5}{(I_{max} (mA) + 0.9) \times 10^{-3}}$$

Figure 1 Operation area of power voltage and load resistance

Table1 Adjustment function

No.	Items	HHC (Model:FXW) <sup>Note1)</sup>		Local configurator (With 3 push buttons)	
		Display	Set	Dispaly	Set
1	Tag No.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	Type	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Serial No. & Software Version	<input type="radio"/>	—	<input type="radio"/>	—
4	Engineering unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	Range Limit	<input type="radio"/>	—	<input type="radio"/>	—
6	Measuring range	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	Damping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	Output mode	<input type="radio"/>	—	<input type="radio"/>	—
9	Burnout direction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Zero/span calibration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Calibration of output circuit	—	<input type="radio"/>	—	<input type="radio"/>
C	Measured data	<input type="radio"/>	—	<input type="radio"/>	—
D	Self-diagnosis	<input type="radio"/>	—	<input type="radio"/>	—
E	Printer function	<input type="radio"/>	—	—	—
F	Lock of adj. function	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
G	Indication of digital indicator	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
H	Linzealize	<input type="radio"/>	<input type="radio"/>	—	—
I	Rerange	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
J	Saturation current Write	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
K	protect	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
L	History				
	-Calibration history	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	-Temperature history	<input type="radio"/>	—	<input type="radio"/>	—



The product conforms to the requirements of European EMC directive "Electromagnetic Compatibility Directive2004/108/EC". The detail content is recorded in the technical construction file number TN5A0704. The applicable standards are as follows:



Emission list:

EN 61326-1 : 2006 Class A (Industrial location)

Frequency range	Limits	Reference standard
30 ~ 230MHz	40dB(μV/m) quasi peak, measured at 10m distance	EN55011:1998 +A1:1999 +A2:2002 (Group1 Class A)
230 ~ 1000MHz	47dB(μV/m) quasi peak, measured at 10m distance	

Immunity requirements:

EN 61326-1 : 2006 Table2 (Industrial location)

Phenomenon	Test value	Basic standard	P.C.
Electrostatic discharge	2/4kV (Contact) 2/4/8kV (Air)	IEC 61000-4-2:1995 +A1:1998+A2:2001	B
Electromagnetic field	10V/m(80 ~ 1000MHz) 3V/m(1.4 ~ 2.0GHz) 1V/m(2.0 ~ 2.7GHz) 80%AM(1kHz)	IEC 61000-4-3:2002 +A1:2002	A
Rated power frequency magnetic field	30 A/m 50/60 Hz	IEC 61000-4-8:1993 +A1:2001	A
Burst	2kV	IEC 61000-4-4:2004	B
Surge	1.2/50μs(Voltage) 8.0/20μs(Current) 0.5/1kV line to line 0.5/1/2kV line to ground	IEC 61000-4-5:1995 +A1:2001	B
Conducted RF	0.15 ~ 80MHz 3V 80%AM(1kHz)	IEC 61000-4-6:1996 +A1:2001	A

Definition of performance criteria:

A: During testing, normal performance within the specification limits.  
B: During testing, temporary degradation, or less of function or performance which is self-recovering.

Note1) The version of HHC must be higher than 7.0 when it supports FCX-AIII series transmitter(or FXW□□□□1-□4).

It can upgrade the version by changing ROM, please consult our company's windows or agency shop nearby for details.

## Scope of delivery

Instrument body, pipe mounting bracket (according to type selection)

## Related products

- Hand held communicator (Model: FXW):  
Hand held, built-in battery, setting, display  
For the details, please refer to data sheet (CSDS8-47).

## Ordering information

- Model code
- Span
- Please select the direction of output (Notuse/OVER/UNDER) when the transmitter is fault (Burnout). If unspecified, it is Notuse.
- If the scale of indicator is selected to actual scale (9th code: D、H、P、S), please select the items of display (digit, scale, unit, etc).
- Please select the tag plate according to need.(up to 14 digit, consist of letters and numbers).



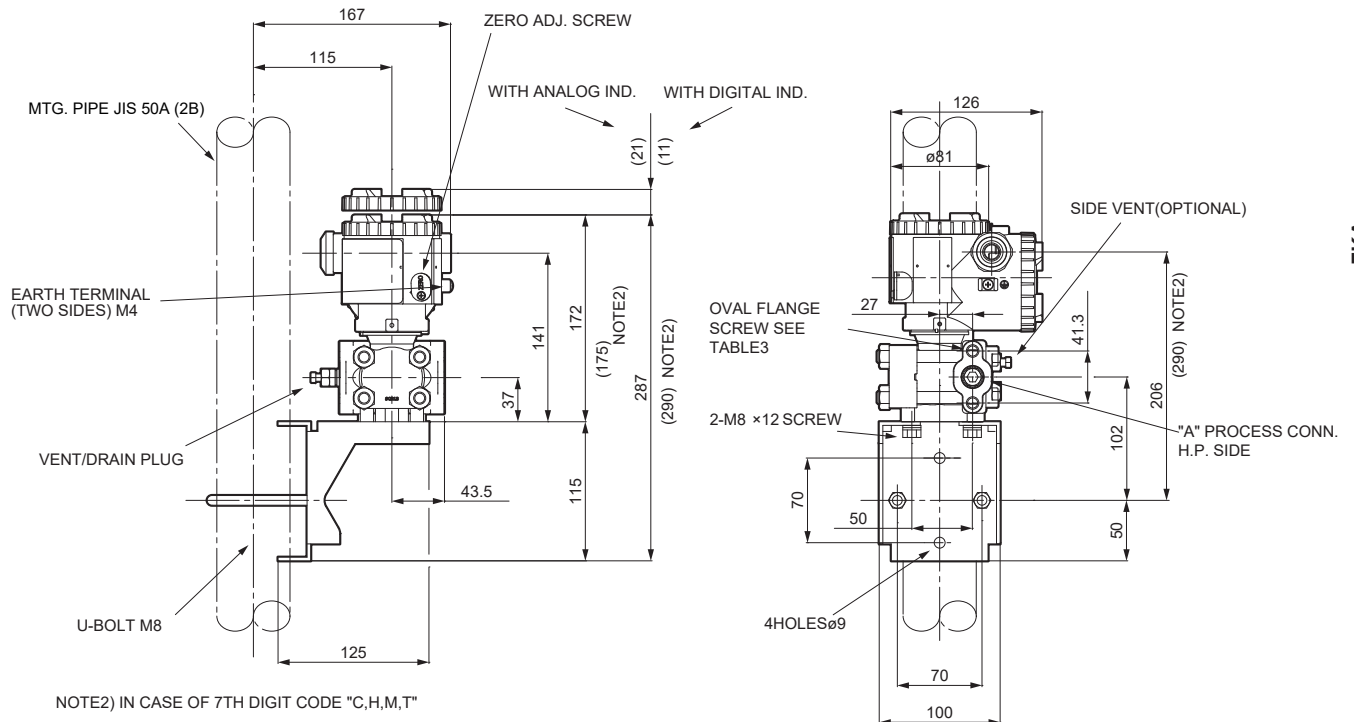
Digit	Discription	Note	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	21
	Absolute pressure transmitter DC4~20mA+HART FOUNDATION Fieldbus and PROFIBUS		F	A															
			F	K	A	0	5												
			F	D	A	0	5												
11	<Side vent/drain plug> None (Standard) None (Standard) None (Standard) None (Standard) None (Standard) Yes Yes Yes Yes Yes	<Mounting bracket> None Flat type (SUS304) Flat type (SUS316) L type (SUS304) L type (SUS316) None Flat type (SUS304) Flat type (SUS316) L type (SUS304) L type (SUS316)											A						
													C						
													K						
													M						
													N						
													D						
													F						
													L						
													P						
													Q						
12	<Special specification> Standard specification Stainless steel tag plate Anti-corrosive coating of detecting unit Anti-corrosive coating of detecting unit, SS tag plate Anti-corrosive coating of detecting unit, SS AMP case Anti-corrosive coating of detecting unit, SS AMP case, SS tag plate												Y						
													B						
													M						
													N						
													P						
													Q						
13	<Treatment of wetted parts > Standard Degreasing NACE Specification	<Fill fluid> Silicone oil (General) Silicone oil Silicone oil											Y						
													G						
													N						
14	<O ring material> Teflon(Gasket)																B		
15	<Vent/Drain plug type> Standard Standard Standard Standard Standard Standard	<Bolt/Nut marerial> Standard(Cr-Mo hexagon socket bolt/carbon steel nut) Cr-Mo hexagon head bolt/carbon steel nut NACE Bolt/Nut (*A) NACE Bolt/Nut (*B) SUS304 Bolt/Nut SUS316 Bolt/Nut																A	
																	B		
																	C		
																	D		
																	E		
																	U		
16	<Options> None Two valves manifold Two valves manifold Oval flange Oval flange Adapter Adapter Oval flange + Adapter Oval flange + Adapter	<Material> None SUS304 SUS316 SUS304 SUS316 SUS304 SUS316 SUS304 SUS316																Y	
																		A	
																		B	
																		C	
																		D	
																		J	
																		K	
																		E	
																		F	
21	<Other> High accuracy type Inspection report																		H
																			F

(\*A) NACE Bolt/Nut material: ASTM A193 B7M/A194 2HM  
(\*B) NACE Bolt/Nut material: ASTM A320 L7M/A194 2HM

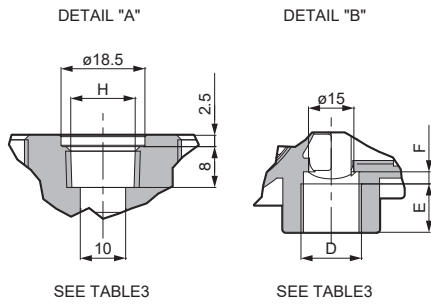
- Note1) Not available for 6th digit code "1".
- Note2) Not available for 7th digit code "T" or 15th digit code "A","B"
- Note3) The digit is blank when not needed.
- Note4) Please select SUS bolts and nuts for tropical area.
- Note5) Not available for 10th digit code "C".
- Note6) Please note when select Fieldbus or Profibus transmitter.(Under development )
- Note7) Screw size is M12 for 6th code "6".
- Note8) Available only for 4th digit code "5", "S".
- Note9) Available only for 4th digit code "6","8","T","W".
- Note10) Available only for 4th digit code "6","T".
- Note11) The 8th digit code can be selected as "S", this means that it's the transmitter with safety function. SIL2 capability for single transmitter use, SIL3 capability for dual transmitter use.



<AMP. CASE: L TYPE > IN CASE OF 11TH DIGIT CODE "M, N, P, Q"

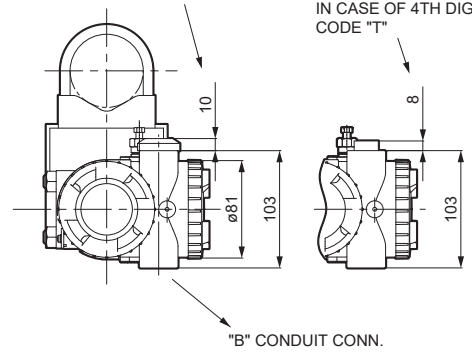


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IN CASE OF 4TH DIGIT CODE "S,V,W,X"

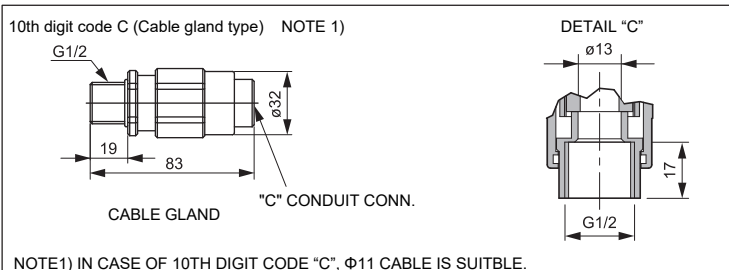
IN CASE OF 4TH DIGIT CODE "T"



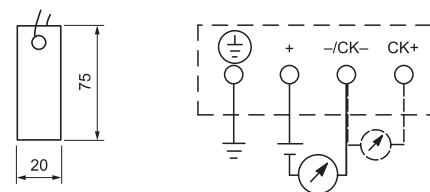
4th digit code	Conduit conn.			Process conn.	Oval flange screw
	D	E	F	H	
S	G 1/2	18	2	Rc1/4	7/16-20UNF SCREW DEPTH 15
T	1/2-14NPT	16	4	1/4-18NPT	7/16-20UNF SCREW DEPTH 15
V	Pg13.5	10.5	4.5	1/4-18NPT	M10 SCREW DEPTH 15
W	M20×1.5	16	4	1/4-18NPT	M10 SCREW DEPTH 15
X	Pg13.5	10.5	4.5	1/4-18NPT	7/16-20UNF SCREW DEPTH 15

TABLE 3

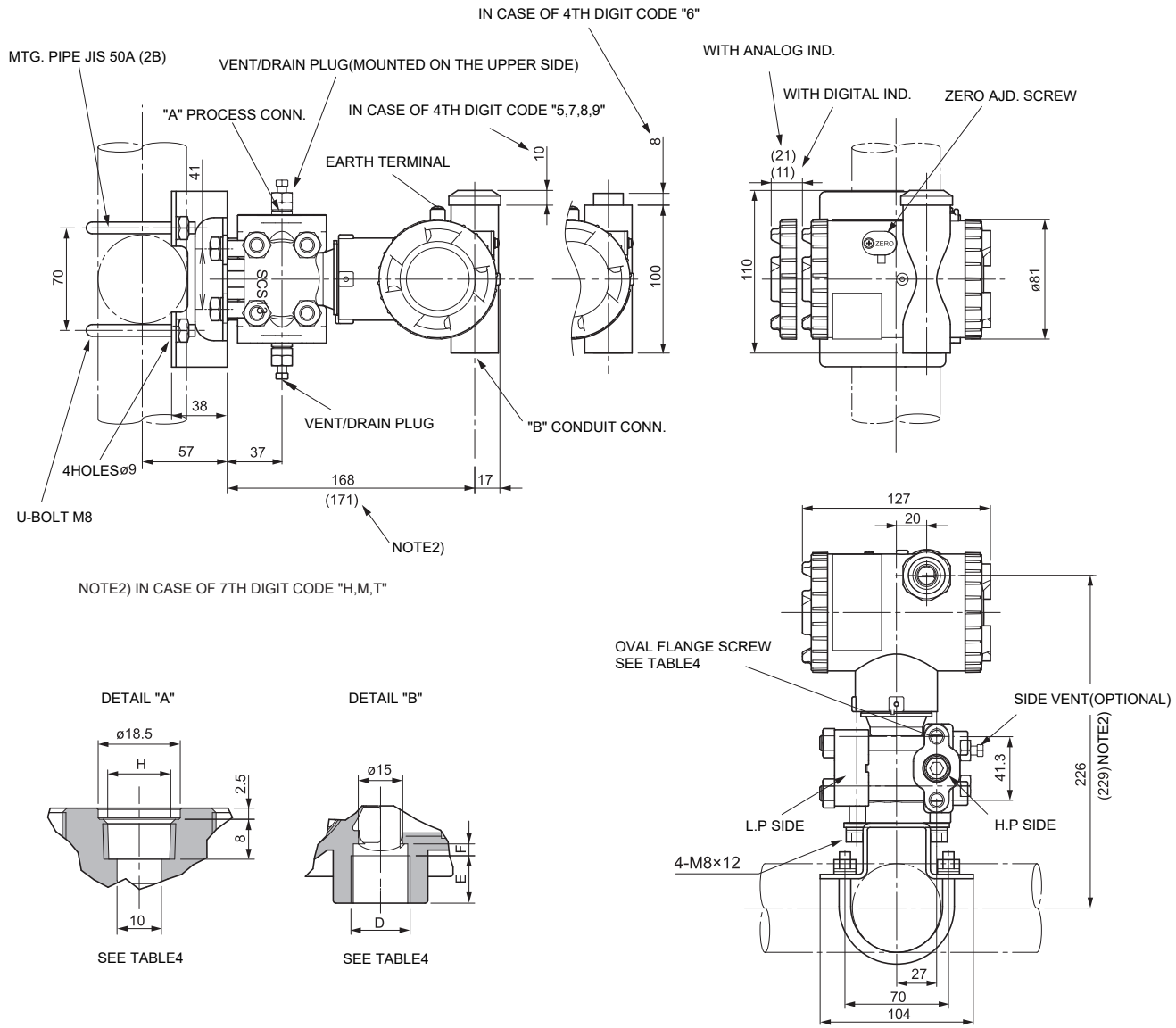
<OPTIONAL PARTS FOR FLAMEPROOF OF TIIS>



<SS TAG PLATE(OPTIONAL)> <CONNECTION DIAGRAM>



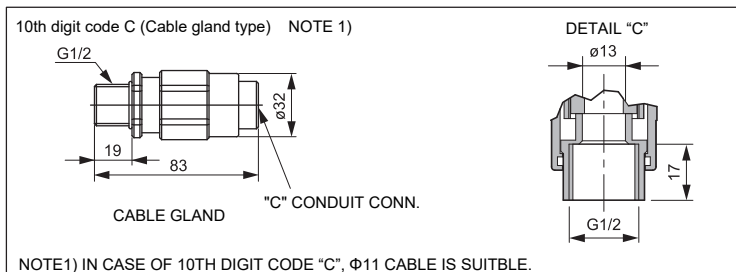
<AMP. CASE: T TYPE > IN CASE OF 11TH DIGIT CODE "C, K, F, L"



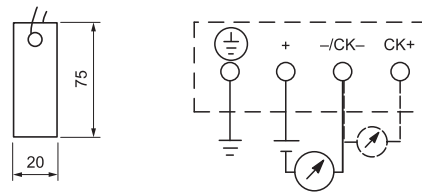
4th digit code	Conduit conn.			Process conn.	Oval flange screw
	D	E	F	H	
5	G 1/2	18	2	Rc1/4	7/16-20UNF SCREW DEPTH 15
6	1/2-14NPT	16	4	1/4-18NPT	7/16-20UNF SCREW DEPTH 15
7	Pg13.5	10.5	4.5	1/4-18NPT	M10 SCREW DEPTH 15
8	M20x1.5	16	4	1/4-18NPT	M10 SCREW DEPTH 15
9	Pg13.5	10.5	4.5	1/4-18NPT	7/16-20UNF SCREW DEPTH 15

TABLE 4

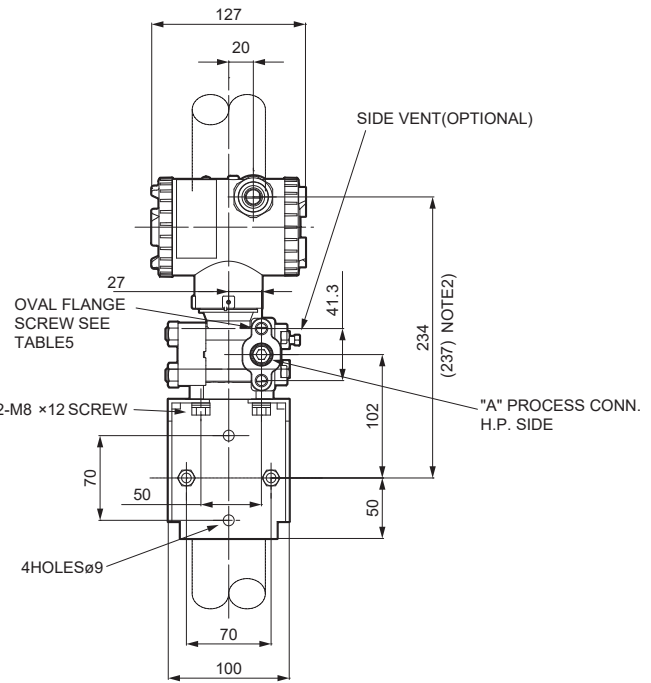
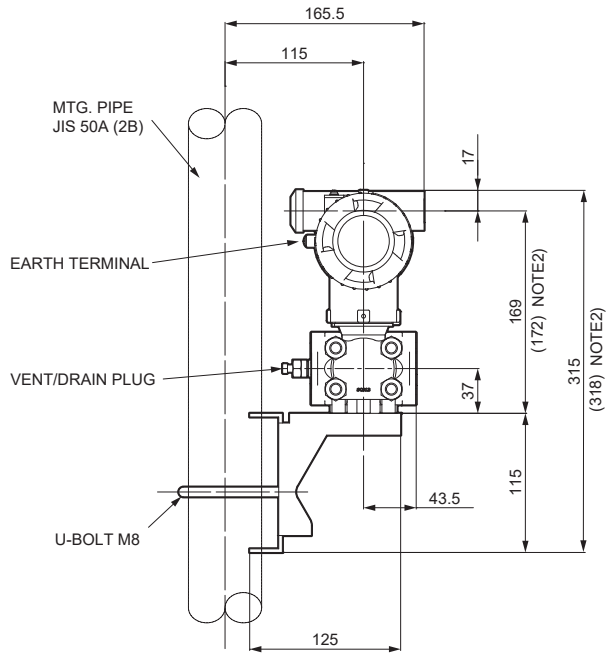
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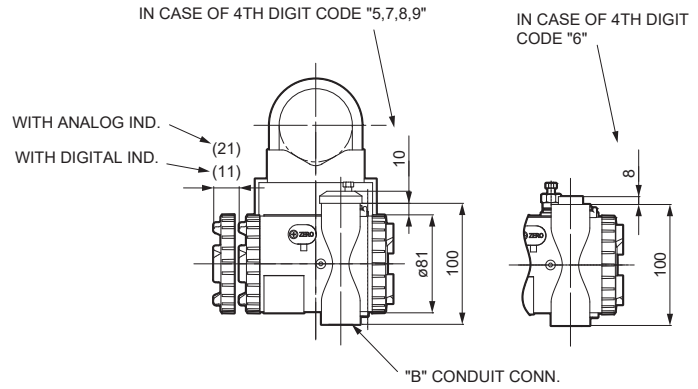
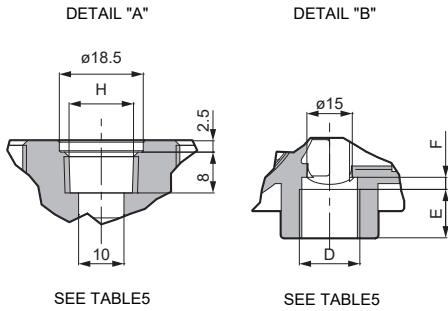
<SS TAG PLATE(OPTIONAL)> <CONNECTION DIAGRAM>



<AMP. CASE: T TYPE > IN CASE OF 11TH DIGIT CODE "M, N, P, Q"



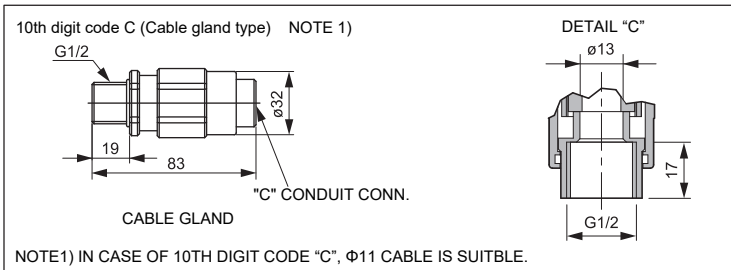
NOTE2) IN CASE OF 7TH DIGIT CODE "W,J,H,M,T"



4th digit code	Conduit conn.			Process conn.	Oval flange screw
	D	E	F	H	
5	G 1/2	18	2	Rc1/4	7/16-20UNF SCREW DEPTH 15
6	1/2-14NPT	16	4	1/4-18NPT	1/16-20UNF SCREW DEPTH 15
7	Pg13.5	10.5	4.5	1/4-18NPT	M10 SCREW DEPTH 15
8	M20x1.5	16	4	1/4-18NPT	M10 SCREW DEPTH 15
9	Pg13.5	10.5	4.5	1/4-18NPT	1/16-20UNF SCREW DEPTH 15

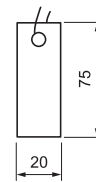
TABLE 5

<OPTIONAL PARTS FOR FLAMEPROOF OF TIIS>



NOTE1) IN CASE OF 10TH DIGIT CODE "C", ø11 CABLE IS SUITBLE.

<SS TAG PLATE(OPTIONAL)>



<CONNECTION DIAGRAM>

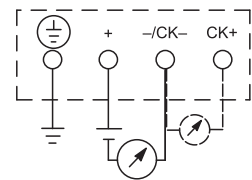


Table 6 Explosion proof

Authorities	Intrinsic safety	Authorities	Flameproof																			
ATEX	Ex II 1 G Ex ia II C T5 Ex ia II C T4  Tamb = -40°C ~ +50°C Tamb = -40°C ~ +70°C	ATEX	Ex II 2 GD EEx d II C T6 IP66/67 T85°C Tamb = -40°C ~ +65°C EEx d II C T5 IP66/67 T100°C Tamb = -40°C ~ +85°C																			
	Entity Parameters: Ui = 28V, li = 94.3mA, Pi = 0.66W Ci = 26nF(without arrester), Li = 0.6mH(without analog indicator) Ci = 36nF(with arrester), Li = 0.7mH(with analog indicator)		FM	Class I Div.1 Groups B, C, D T6 Type 4X Class II III Div.1 Groups E, F, G T6 Type 4X Tamb max = +60°C																		
FM	Class I II III DIV.1 Groups A, B, C, D, E, F, G T4 Entity Type 4X	CSA	Class I Div.1 Groups C, D Class II Div.1 Groups E, F, G Class III Div.1 Note) "Seal Not Required" enclosure is allowed.																			
	Model		TIIS	Ex do IIB+H2 T4 Tamb max = +60°C Maximum process temp. = +120°C																		
	<table border="1"> <thead> <tr> <th>9th digit</th> <th>13th digit</th> <th>Tamb</th> </tr> </thead> <tbody> <tr> <td>A, B, D</td> <td>Y, G, N</td> <td>-40°C ~ +85°C</td> </tr> <tr> <td>L, P, 1, 2</td> <td>Y, G, N</td> <td>-20°C ~ +80°C</td> </tr> <tr> <td>Q, S, 4, 5</td> <td>Y, G, N</td> <td>-20°C ~ +60°C</td> </tr> <tr> <td>E, F, H</td> <td>Y, G, N</td> <td>-40°C ~ +60°C</td> </tr> <tr> <td>-</td> <td>W, A, D</td> <td>-10°C ~ +60°C</td> </tr> </tbody> </table>	9th digit	13th digit	Tamb	A, B, D	Y, G, N	-40°C ~ +85°C	L, P, 1, 2	Y, G, N	-20°C ~ +80°C	Q, S, 4, 5	Y, G, N	-20°C ~ +60°C	E, F, H	Y, G, N	-40°C ~ +60°C	-	W, A, D	-10°C ~ +60°C		NEPSI	Ex d II C T5 IP66/67 Tamb = -40°C ~ +85°C Ex d II C T6 IP66/67 Tamb = -40°C ~ +65°C
9th digit	13th digit	Tamb																				
A, B, D	Y, G, N	-40°C ~ +85°C																				
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E, F, H	Y, G, N	-40°C ~ +60°C																				
-	W, A, D	-10°C ~ +60°C																				
	Entity Parameters: Vmax = 28V, Imax = 94.3mA, Pi = 0.66W, Ci = 35.98nF, Li = 0.694mH			Authority	Type n Nonincendive																	
CSA	Class I Div.1 Groups A, B, C, D Class II Div.1 Groups E, F, G Class III Div.1 Temp code T5 Tamb max = +50°C Temp code T4 Tamb max = +70°C Entity Parameters: Vmax = 28V Imax = 94.3mA Ci = 25nF(without arrester), Li = 0.6mH(without analog indicator) Ci = 36nF(with arrester), Li = 0.7mH(with abalig indicator)	IECEx Scheme/SAA	Ex d II C T5 IP66/67 Tamb = -40°C ~ +85°C Ex d II C T6 IP66/67 Tamb = -40°C ~ +65°C	ATEX	Ex II 3 GD EEx nL IIC T5 Tamb = -40°C ~ +50°C EEx nL IIC T4 Tamb = -40°C ~ +70°C Specific Parameters: Model without arrester: Ui=42.4V, li=113mA, Pi=1W, Ci=25.18nF, Li=0.694mH Model with arrester: Ui=32V, li=113mA, Pi=1W, Ci=35.98nF, Li=0.694mH  EEx nAL IIC T5 Tamb = -40°C ~ +50°C EEx nAL IIC T4 Tamb = -40°C ~ +70°C Specific Parameters: Model without arrester: Umax=42.4V, Imax=113mA, Pmax=1W Model with arrester: Umax=32V, Imax=113mA, Pmax=1W																	
TIIS	Ex ia IIC T4 Tamb max = +60°C Entity Parameters: Ui = 28V, li = 94.3mA, Pi = 0.66W, Ci = 38.4nF, Li = 0.694mH	NEPSI	Ex d II B+H2 T6 Tamb = -40°C ~ +60°C	FM	Class I II III Div.2 Groups A, B, C, D, F, G T4 Entity Type 4X																	
IECEx Scheme	Ex ia II C T4 Tamb = -40°C ~ +70°C Ex ia II C T5 Tamb = -40°C ~ +50°C Entity Parameters: Ui = 28V li = 94.3mA Pi = 0.66W Ci = 26nF(without arrester), Li = 0.6mH(without analog indicator) Ci = 36nF(with arrester), Li = 0.7mH(with abalig indicator)				Model	Tamb																
NEPSI	Ex ia IIC T4 Ex d IIB+H2T6/Ex ia IIC T4					9th digit	13th digit	Tamb														
						A, B, D	Y, G, N	-40°C ~ +85°C														
	Entity Parameters: Ui = 42.4V, li = 113mA, Pi = 1W, Ci = 35.98nF, Li = 0.694mH					L, P, 1, 2	Y, G, N	-20°C ~ +80°C														
						Q, S, 4, 5	Y, G, N	-20°C ~ +60°C														
						E, F, H	Y, G, N	-40°C ~ +60°C														
						-	W, A, D	-10°C ~ +60°C														
		CSA	Class I Div.2 Groups A, B, C, D Class II Div.2 Groups E, F, G Class III Div.2 Temp code T5 Tamb max = +50°C Temp code T4 Tamb max = +70°C Entity Parameters: Vmax=28V, Ci=25.18nF (without arrester), Ci=35.98nF (with arrester), Li=0.694mH																			

**⚠ Caution on Safety**

\* Before using this product, be sure to read its instruction manual in advance.

