ries **e**

High accuracy (Non Linearity: ±0.2%R.C.) Sensor machined integral with diaphragm offers durability and long life. Abundant analog output available.[4~20mA (2 wire system, 4 wire system), 1~5V, 0~5V, 0~10V] Mesured Media Water, oil, gases or other media that will not corrode SUS630 or 15-5PH (precipitation-hardened stainless steel). Positive and compound pressures can be measured. Pressure Type Can be specified within the range of 1 kPa to 100 MPa of rated capacity (Calibration range: 0.5 MPa to 100 MPa). Mesured Range Specify more than 50% of rated capacity as the calibration range. Output

4Specify among 4 to 20 mA (2-wire, 4-wire), 1 to 5 V, 0 to 5 V, and 0 to 10 V.

• 1MPa~100MPa Use the digital panelmeter together

Specification

Non Linearity	±0.2%R.C. (1MPa:±0.3%R.C.)	Fastening Torque;Recommended	1~5MPa:20N·m
Hysteresis	±0.2%R.C.(1MPa:±0.3%R.C.)	Fastening Torque, Recommended	10~50MPa:40N·m、100MPa:80N·m
Compensated Temperature Range	-20~70°C (No condensation or freezing)	Fastening Torque:Maximum	1~5MPa:30N·m
Safe Temperature Range	-30~80°C (No condensation or freezing)	asterning Torque, Maximum	10~50MPa:60N·m、100MPa:120N·m
Temperature Effect on Zero Balance	±0.2%R.C./10℃	Power	Selectable: 4 DC24V(±10%), 5 DC12V(±10%)
Temperature Effect on Load	±0.2%R.C./10°C		*Only 24V DC available when analog output is A5.
Safe Overload Rating	150%R.C.	Cable	4- or 2-core shielded (oilproof) cable
Ultimate Overload Rating	200%R.C.	Cable	2m(Standard) φ6mm
Insulation Resistance	100MΩ or more(DC50V)	Mass	Approx. 200g(Cable not included)
Pressure Port Material	SUS630 or 15-5PH(Precipitation hardening stainless steels) (%1)		Operation manual (1 copy) (Specify English or Japanese.)
Connection	Selectable: R3/8 and G3/8	Accessories	Test report)1 copy)
	(100MPa:R1/2 or G1/2)		Copper packing(×1) (G screw only)
			(%1)Running change planned (since October 2011)

Example Image: Construction of the system Image: Construction of the system Image: Construction of the system Selection Check Model Specification Image: Construction of the system Selection Selection of the system Image: Construction of the system Solution Selection of the system Image: Construction of the system Solution Selection of the system Image: Construction of the system Solution Std or more Approx. 23mA Image: Construction of the system Solution Std or more Approx. 23mA Image: Construction of the system Solution Std or more Approx. 23mA Image: Construction of the system Solution Std or more Approx. 23mA Image: Construction of the system Solution Std or more Approx. 23mA Image: Construction of the system Std or more Approx. 23mA Approx. 23mA Image: Consystem IkHz DC24V:5000 or	del Selection	①Model	②Output ③Calibratic	n ④Cable Connection ④	5)Power	6 Length (Cable)		
Other VPRT High Accurate Pressure Transmitter for Middle High Pressure & Connection screw: R3/8(100MPa: R1/2 only) 10Model VPRT High Accurate Pressure Transmitter for Middle High Pressure & Connection screw: G3/8(100MPa: G1/2 only) 0Utput Output type Response frequency Safe load resistance Consumption current (2)Output A2 1~5V 500Hz 5k0 or more Approx. 23mA if or waterproof A3 4~20mA(4 wire system) 500Hz 5k0 or more Approx. 23mA if or waterproof A4 0~5V 500Hz 5k0 or more Approx. 23mA A5 0~10V 500Hz 5k0 or more Approx. 23mA A6 4~20mA(2 wire system) 1kHz DC24V:5000 or less/DC12V:500 or less — Rated capacity Example of calibration range	mple	1	2 – 3	④ —	5	6		
OModel VPRTF High Accurate Pressure Transmitter for Middle High Pressure **Connection screw: G3/8(100MPa: G1/2 only) Output Output type Response frequency Safe load resistance Consumption current (2)Output A2 1~5V 500Hz 5kQ or more Approx. 23mA *Only [A6] available for waterproof A3 4~20mA(4 wire system) 500Hz DC24V:5000 or less/DC12V:2500 or less Approx. 23mA *Only [A6] available for waterproof A4 O~5V 500Hz DC24V:5000 or less/DC12V:2500 or less Approx. 23mA A5 O~10V 500Hz 5kQ or more Approx. 23mA A6 4~20mA(2 wire system) 1kHz DC24V:5000 or less/DC12V:1500 or less — Heated capacity Example of calibration range — — — See right table 2 MPa 2 MPa 0~2) MPa 1 MPa 1 MPa 0~1/20 MPa	ction Check	Model	Specification					
VPRTF High Accurate Pressure Transmitter for Middle High Pressure **Connection screw: 63/8(100MPa: G1/2 only) Output Output type Response frequency Safe load resistance Consumption current **Only IA6 available for waterproof terminal box type A3 4~20mA(4 wire system) 500Hz DC24V:5000 or less/DC12V:2500 or less Approx. 23mA A4 0~5V 500Hz DS0Hz DS40 or more Approx. 23mA Materproof terminal box type A5 0~10V 500Hz DS0Hz DS40 or more Approx. 23mA A6 4~20mA(2 wire system) 1KHz DC24V:5000 or less/DC12V:1500 or less — Rated capacity Example of calibration range	①Model	VPRT	High Accurate Pressure Transmitter for Middle High Pressure					
A2 1~5V 500Hz 5kΩ or more Approx.23mA *Only [A6] available for waterproof terminal box type A3 4~20mA (4 wire system) 500Hz DC24V:5000 or less/DC12V:2500 or less Approx.40mA A4 0~5V 500Hz 5kΩ or more Approx.23mA A5 0~10V 500Hz 5kΩ or more Approx.23mA A6 4~20mA(2 wire system) 1kHz DC24V:5000 or less/DC12V:1500 or less — Rated capacity Example of calibration range		VPRTF						
Could As available for waterproof terminal box type A3 4~20mA(4 wire system) 500Hz DC24V:5000 or less/DC12V:2500 or less Approx. 40mA A4 0~5V 500Hz 5kΩ or more Approx. 23mA A5 0~10V 500Hz 5kΩ or more Approx. 23mA A6 4~20mA(2 wire system) 1kHz DC24V:5000 or less/DC12V:1500 or less — Rated capacity Example of calibration range						Consumption current		
for waterproof terminal box type A4 0~5V 500Hz 5kΩ or more Approx.23mA A5 0~10V 500Hz 5kΩ or more Approx.23mA A6 4~20mA(2 wire system) 1kHz DC24V:500Ω or less/DC12V:150Ω or less — Rated capacity Example of calibration range							11 .	
terminal box type A5 0~10V 500Hz 500Hz 500Hz 500Hz 60Hz Approx 20Hz Appr	for waterproof				DC24V:500Ω or less/DC12V:250Ω or			
AG 0-100 (2 wire system) 1kHz DC24V:5000 or less/DC12V:1500 or less Appliox. 25m/A A6 4~20mA(2 wire system) 1kHz DC24V:5000 or less/DC12V:1500 or less — Hated capacity Example of calibration range — — — 1 MPa 1 MPa (0~1) MPa 0.5 MPa — — See right table 2 MPa 2 MPa 0~2) MPa 1 MPa 1 MPa 0~1) MPa								
Rated capacity Example of calibration range 1 MPa 1 MPa (0~1) MPa 0.5 MPa -0.1~1 MPa (-0.1~1) MPa See right table 2 MPa 2 MPa (0~2) MPa 1 MPa (0~1) MPa -0.1~2 MPa (-0.1~2) MPa								
1 MPa 1 MPa (0~1) MPa 0.5 MPa -0.1~1 MPa (-0.1~1) MPa See right table 2 MPa 2 MPa (0~2) MPa 1 MPa (0~1) MPa -0.1~2 MPa						r less —		
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See right table								
		See right table.						
							-0.1~5 MPa (-0.1~5) MPa	
Enter the range		Enter the range						
lin the last is		in the as it is.					19.6 MPa (0~19.6) MPa	
		Dist	100 MPa 100 MPa (0~100) MPa 70 MPa 0~70) MPa 98.1 MPa (0~98.1) MPa					
			Standard connector Equivalent to IP40 Waterproof connector Equivalent to IP56					
(4) Caple Connection	Connection		Waterproof connector Equivalent to IP56 Pigtail Equivalent to IP54					
			Pigtail Equivalent to 1954 Waterproof terminal box type Equivalent to 1955 % Applicable only when analog output is AfgCable not included					
			DC24V(±10%)					
(5)Power			$DC24V(\pm 10\%)$ DC12V($\pm 10\%$) $\%$ Not available when analog output is [A5].					
			2m Standard					
3 m 3 m								
Image: Subscription of the subscription of	(Cable)							
10m 10m								
Other length *Contact our sales office for other cable lengths.			Other length *Contact our sales office for other cable lengths.					

External dimensions [Unit:mm] ※Refer to P45 for line connection

Standard type connector

