High Cost **Performance**

Abundant Specification Choices

High Accuracy, Long-term **Stability**

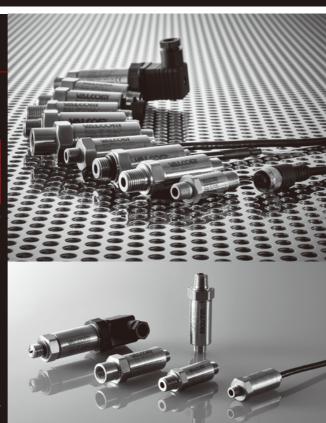
Custom-made pressure transmitters offered by a pressure measurement expert are available with a variety of ranges, accuracy levels and output signals to suit to your application needs. High cost performance product specialized in desired specs, without any unnecessary features.

[ATTENTION] • Cannot be used in applications involving viscous fluids.

- · Cannot be used in explosion-proof areas.
- · Minimum order quantity: 50
- Wide pressure and temperature ranges | IP65~67 equivalent
- Rigid structure integrated with sensor Safe overload rating 200%F.S. (Material: 17-4PH)
- Selectable connectors types

- Abundant output support
- Various connecting thread types

(Customer-designated connectors also available)



Flow from Order to Delivery

Arrangements/

Model designation (Proposal included)

Submission of samples for evaluation

Specification change, if necessary, based on evaluation result

Mass production Delivery to

Survey Form

Application	①Application ②Type of fluid ③Fluid temperature (°C)	Impact resistance **2	980m/s ² (6msec or lower), 1960m/s ² (6msec or lower)
	④Environmental temperature (°C) ⑤Viscous or not	Bartanii a satisa wo	IP67(M12 connector, Pack connector), IP66(Pigtail cable),
Quantity	50 or more Protection rating **2		IP65(DIN connector)
Pressure Range	Positive perssure / Compound pressure		①M12 ②Pigtail cable ③Pack connector
$\%\!-\!100$ to 300 kPa or above, up to 100 MPa	Pressure Range (Unit: kPa, MPa, bar, mbar, psi, kgf/cm², Other)		
Absolute pressure not supported	※For use in Japan. Non-SI Units (other than kPa, MPa) not available		
Power	DC10~30V, DC5V(Output 0.5~4.5V, I ² C**1 only)	Electrical connectors %2	
Output	4~20mA, 1~5V, 0~10V, 0.5~4.5V, I ² C*1, 20mV/V, Other	Electrical conflectors %2	(4) DIN connector (DIN43650A) (5) Mini DIN connector (6) Other
Accuracy level to be selected from (1)~(3) %2:Some restrictions apply depending on the specifications.	(1) Non Linearity, hysteresis, repeatability @25°C selected from ①~④ ①±0.1% ②±0.25% ③±0.5% ④±1% TEB ^{®3} [±1.0%F.S.(−20~85°C),±1.5%F.S.(−40~−20°C),		
	±1.5%F.S.(85~125°C)]	Materials of diaphragm/connecting thread	17-4PH (Integral structure)
	(2) Non Linearity, hysteresis, repeatability @25°C selected from ①~③ ①±0.25%F.S. ②±0.5%F.S. ③±1%F.S. Temperature effect on zero balance, Temperature effect on span load selected from ①~③ ①±0.1%F.S./10°C ②±0.25%F.S./10°C ③±0.5%F.S./10°C (3) Other	Screw(M:Male / F:Female) *2	R1/2(M), R1/4(M/F), R1/8(M), R3/8(M/F), G1/2(M), G1/4(M/F), G3/8(M/F), 1/2NPT(M), 1/4NPT(M/F), 1/8NPT(M), 3/8NPT(M/F), M10X1(M), M12X1(M/F), M14X1(M/F), M16X1.5(M/F), M20X1.5(M/F), M22X1.5(M), 7/16-20UNF(M/F), 9/16-18UNF(M/F), 3/4-16UNF(M/F), 0the **Some connecting threads are not available depending on the
Compensated temperature range *2	−40~125°C, −20~85°C		pressure range.
Operating temperature range **2	-40~125°C	Cable	□□ m, Optional end connector (Y/N) / Connector type
Storage temperature range *2	-40~125℃	Throttle*4	φ0.7, φ0.5
Safe overload rating *2	200%F.S.	Oil-free & water-free	Oil-free, water-free
Burt overload rating *2	500%F.S.	Europe conformity	CE mark, RoHS2
Stability	±0.25%F.S./year	Other	Manuals and related documents are available.
Vibration resistance *2	196m/s²(10Hz~2kHz), 490m/s²(10Hz~2kHz)	Uther	Contact our sales office for details.

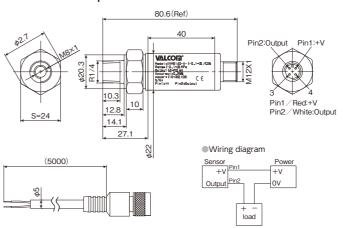
Product Examples

(%1)Inter-Integrated Circuit (%3)Total Error Band (%4)Available for 5 MPa or above



Reference Examples

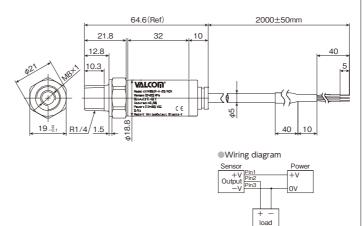
Reference Examples 1



Pressure Range	-0.1~3MPa
Power	10~30V DC
Output signal	4~20mA
Accuracy(%1)	±0.25%F.S.(@25°C)
Compensated temperature range	-40~125℃
Operating temperature range	-40~125°C
Storage temperature range	-40~125°C
Safe overload rating	200%
Burst overload rating	500%
Stability	±0.25%F.S./year
Total Error Band	±1.5%F.S.(-40~-20°C)、±1.0%F.S.(-20~85°C)、
(includes the following)	±1.5%F.S.(85~125°C)
Response time	<1.5ms
Protection rating	IP67 (Using mating connectors)
Diaphragm	17-4PH
Screw	17-4PH
Case	SUS304
Dielectric strength	250V DC/>100MΩ
Withstand voltage	100V AC(1 minute between all terminals and case)
Sensor weight	105g(Body)
Load Resistance	150Ω(@11V), 500Ω(@24V)
CE marking	EMC directive, Europe RoHS directive conformity prod

(%1)Non Linearity/Hysteresis/Repeatbility

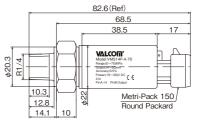
Reference Examples 3



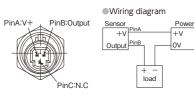
Pressure Range	0~20MPa
Power	10~30V DC
Output signal	1~5V
Accuracy(%1)	±0.5%F.S.(@25°C)
Compensated temperature range	-20~85°C
Operating temperature range / Storage temperature range	-40~125℃
Safe overload rating	200%、
Burst overload rating	500%
Stability	±0.25%F.S./year
Temperature effect on zero balance/Temperature effect on span load	±0.5%F.S. ∕ 10℃
Shock-proof	980m/s²(11msec or less)
Vibration-proof	196m/s ² (10Hz~2kHz)
Response time	<1.5ms
Protection rating	IP66(Body)
Diaphragm / Screw	17-4PH
Case	SUS304
Dielectric strength	>100MΩ(@250V DC)
Withstand voltage	100V AC(1 minute between all terminals and case)
Sensor weight	70g(Body)
Load Resistance	≥2kΩ
Operating current	5mA (Max)
CE marking	EMC directive, Europe RoHS directive conformity product

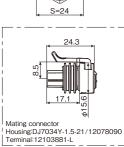
(%1)Non Linearity/Hysteresis/Repeatbility

Reference Examples 2





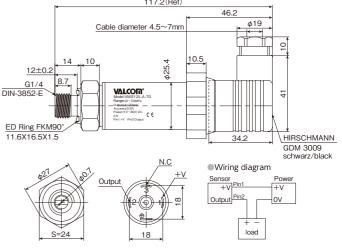




Pressure Range	0~70MPa
Power	10~30V DC
Output signal	4~20mA
Accuracy(%1)	±0.5%F.S.(@25°C)
Compensated temperature range	-20~85°C
Operating temperature range	-40~125℃
Storage temperature range	-40~125℃
Safe overload rating	200%
Burst overload rating	500%
Stability	±0.25%F.S./year
Temperature effect on zero balance	0.25%F.S./10°C
Temperature effect on span load	0.25%F.S./10°C
Response time	<1.5ms
Protection rating	IP67 (Using mating connectors)
Diaphragm	17-4PH
Screw	17-4PH
Case	SUS304
Dielectric strength	>100MΩ(@250V DC)
Withstand voltage	100V AC(1 minute between all terminals and case)
Sensor weight	95g(Body)
Load Resistance	150Ω(@11V), 500Ω(@24V)
CE marking	EMC directive, Europe RoHS directive conformity produ

(%1)Non Linearity/Hysteresis/Repeatbility

Reference Examples 4



Pressure Range	0~70MPa
Power	10~30V DC
Output signal	4~20mA
Accuracy(%1)	±0.5%F.S.(@25°C)
Compensated temperature range	-20~85°C
Operating temperature range	-40~125℃
Storage temperature range	-40~125℃
Safe overload rating	200%
Burst overload rating	500%
Stability	±0.25%F.S./year
Temperature effect on zero balance	0.25%F.S. ∕ 10°C
Temperature effect on span load	0.25%F.S. ∕ 10°C
Response time	<1.5ms
Protection rating	IP65(Body)
Diaphragm	17-4PH
Screw	17-4PH
Case	SUS304
Dielectric strength	>100MΩ(@250V DC)
Withstand voltage	100V AC(1 minute between all terminals and case)
Sensor weight	150g(Body)
Load Resistance	150Ω(@11V), 500Ω(@24V)
CE marking	EMC directive, Europe RoHS directive conformity product
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(%1)Non Linearity/Hysteresis/Repeatbility