



Pressure Sensor Non-influenced by Noise / SPAN Series

FEATURES

- Can be used in environments where high-frequency noise occurs.
- Insulation separation structure is adopted in the sensor case.
- High output and high reliability achieved through combination of metal diaphragm and thin film gauge.
- High insulation.
- Wide operating temperature range.
- Small size.



Unit : mm

EXTERNAL DIMENSIONS AND TERMINAL ARRANGEMENT

Dimensions: A

Specifications	A
Voltage Output	58±2
Free Power Supply / Current Output	68±2

Terminal Arrangement

Wire Color

Signal Name	Wire Color
Power Supply	Red
GND	Black
Output	White

Recommended Dimensions for Sensor Mounting Holes

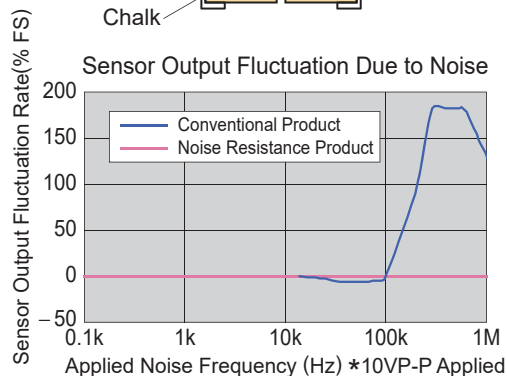
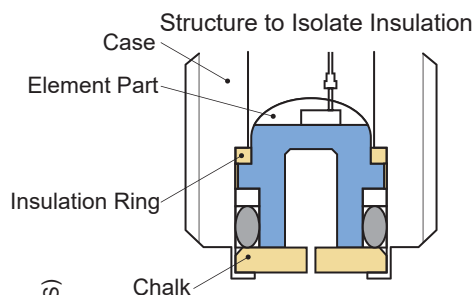
58 connector V Type Part No.

M terminal	7114-1260
M housing	Dedicated Housing
F terminal	7116-1261
F housing	7123-1835
Waterproof Stopper	7157-3596-30

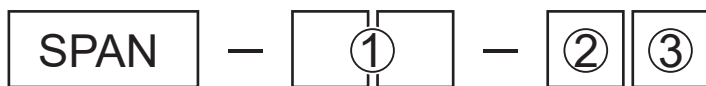
SPECIFICATIONS

Model No.	SPAN-○○-△□
Rated Pressure	5 · 10 · 20 · 35 · 50 MPa
Overload	150%FS
Total Accuracy	±1.0%FS or less
Operating Temperature range	-40 ~ +120 °C (at DC 5V)
Compensation Temperature range	-20 ~ +85 °C
Power Supply	DC 5V · 12V · 24V · 8 ~ 35V
Output	0.5 ~ 4.5V · 1 ~ 5V · 4 ~ 20mA
Zero temperature Characteristics	Within ±0.025%FS/°C
Span temperature Characteristics	Within ±0.025%FS/°C
Response Time	2 ms or less
Weight	About 60 g
IP Protection Rating	IP67equivalent

$$\text{Total Accuracy} = \sqrt{(\text{Linearity})^2 + (\text{Hysteresis})^2 + (\text{Reproducibility})^2}$$



MODEL NUMBER CONFIGURATION



① Rated Pressure		② Input Voltage		③ Output Format			
05	5 MPa	Voltage Output Specifications	5	5 V	Voltage Output	H	0.5 ~ 4.5 V
10	10 MPa		6	12 V		G	1 ~ 5 V
20	20 MPa		0	8 ~ 35 V (Free Power Supply)	Current Output	I	4 ~ 20 mA
35	35 MPa		7	24 V			
50	50 MPa	Current Output Specifications					

Ex.1) 10 MPa · Input Voltage 12 V · Voltage Output (0.5 to 4.5 V) → SPAN-10-6H

Ex.2) 35 MPa · Free Power Supply 24 V · Voltage Output (0.5 to 4.5 V) → SPAN-35-0H

Ex.3) 50 MPa · Input Voltage 24 V · Current Output → SPAN-50-7I

Ex.4) 5 MPa · Free Power Supply and Voltage Output (1 to 5 V) → SPAN-05-0G

⚠ Specifications of products are subject to change without notice.

e-span-p01-03



<http://www.mkt-taisei.co.jp/>

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