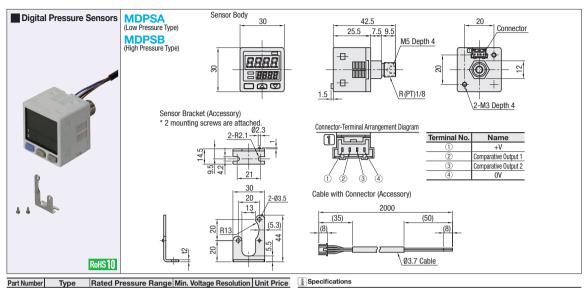
## **Digital Pressure Sensors / Pressure Switches**



## Features

High Pressure Type

Low Pressure Type

-100.0~+100.0kPa

-0.100~+1.000MPa

■ ►eatures

A compact type sensor with a size of 30x30mm.

The current value and the threshold value are displayed on the sensor's dual screen panel, which allows to check or set both values smoothly without switching the display mode.

The color of the main Indication is displayed in 3 colors, which excels in operability and visibility. Response time can be set at 10 levels between 2.5ms and 5,000ms, which prevents chattering or malfunction due to rapid pressure change etc



Do not use this product as the detector for the purpose of human body protection.

0.1kPa

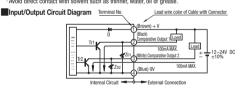
1kPa

(For human body protection, please use those products that satisfy laws and standards of human body protection made by each country, such as OSHA, ANSI and IEC.)

Don't subject the sensor to pressure that exceeds max. allowable pressure. Don't put wire etc. into the pressure port, which may damage diaphragm or result in incorrect operation. Avoid using in the transitional situation (0.5s) when the power supply is turned on. Avoid use where it is exposed to vapor or dust.

Avoid use where it is exposed to vapor or dust.

Avoid duse charact with solvent such as thinner, water, oil or grease.



Protection diode for reversed polarity power connection : Zener Diode for Surge Voltage Absorption : NPN Output Transistor

Specifications Part Number

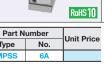
Type / Application			High Pressure Type / (Mainly) Positive-pressure
Pressure Type		Gauge Pressure	
Pressure Resistance		500kPa	1.5MPa
Ap	plicable Fluid	Noncorrosive Gas (not useab	le for liquid or corrosive gas)
Po	wer Supply Voltage	12 ~ 24V DC±10% Ripple P-P 10% or less	
Po	wer Consumption	Normal Times: 840mW or less (Supply Voltage: 24V, consumption current: 35mA or less)	
		NPN Transistor / Open Collector	
-	mparative Output	Maximum Inflow Current: 100mA	
Co	imparative Output	Applied Voltage: 30V DC or less (Between comparative output and 0V)	
		<ul> <li>Residual Voltage: 2V or le</li> </ul>	ess (Inflow current 100mA)
	<b>Output Operation</b>	Select NO or NC	by key operation
	Response Differential (Hysteresis)	1 digit minim	ium (variable)
	Repeatability	±0.1%F.S (±2 digits or less)	±0.2%F.S (±2 digits or less)
	Response Time	Select from (2.5, 5, 10, 25, 50,	100, 250, 500, 1,000, 5,000) ms
	Short Circuit Protection	Prov	rided
Ex	ternal Input	Not Applicable	
Analog Voltage Output		Not Applicable	
Display		4 digits + 4 digits and 3 colors LCD display (display update cycle: select from 250, 500 and 1,000ms)	
Indicated Pressure Range		-100.0~+100.0kPa	-0.100~+1.000MPa
Inc	dicator Light	Orange LED	
20	Protection Structure		(IEC)
Environment Resistance	Ambient Operating Temperature	-10~+50°C, for storage: -10~+60°C	
esi	Ambient Operating Humidity	35 ~ 85% RH (However, no dewing and no freezing), for storage: 35 ~ 85% RH	
ŧ	Withstand Voltage	1,000VAC 1minute Between Charged parts and Case	
Ĕ	Insulation Resistance	50MΩ or more with 500VDC mega Between Recharger and Case	
<u>ē</u>	Vibration Resistance		of 3mm 2 Hours, in X, Y, Z Directions Each
듑	Impact Resistance	Endurance 100m/s <sup>2</sup> (Approx. 10	G) 3 times for XYZ direction each
	nperature Properties	within ±0.5% F.S.	within ±1% F.S.
Pressure Port		M5 Tapped +R (PT) 1/8 Threaded	
<b>Connection Method</b>		Connector	
Wire Length		100m long cable with sectional area of 0.3 square millimeter or more	
		Case: PBT, LCD Display: Acrylic, Switch: Silicon Rubber	
Material		Pressure Port: SUS303 Screw: Brass (Nickel Plating)	

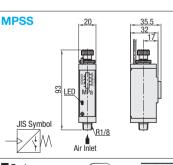
MDPSA

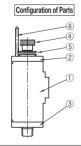
Mounting Metal: SPCC (Trivalent Bright Chromate)

Approx. 40g \* The ambient operating temperature is +20°C for the measurement conditions without any specification.









Component List						
No.	Name	Quantity	Material Material			
1	Main Body	1	ZDC2			
2	Head Cover	1	ZDC2			
3	Joint	1	ZDC2			
4	Handle	1	A2017			
(5)	Lock Nut	1	A2017			
(6)	Lead Wire	1m	Vinyl			

MDPSB

Part N	Unit Price		
Type	No.	Unit Price	
MPSS	6A		



Features (	
A contact type pressure switch	Specification
with a built-in lead switch.	. <b></b> ) '
Operating Pressure can be easily	_
set by handle rotating operation.	
LED display allows easy checking	
of ON/OFF operation.	

	Applicable Fluid	Air	
ns	Set Pressure (Mpa)	0.1~0.7	
	Max. Operating Pressure (Mpa)	0.8	
	Pressure Resistance (Mpa)	1.0	
	Operating Temp. Range (°C)	5~60	
	Pipe Connection Bore Dia.	R1/8	
		Lead Switches (Contact Type)	
	Sensor	Normally Open / LED Lights when ON	
	Switches	Lead Wire Length 1m	
		Contact Capacity: 85 ~ 115VAC / 5 ~ 30VDC, 25mA or less	
	Mass	185g	
	Operating Temp. Range (*C) Pipe Connection Bore Dia.  Sensor Switches	5–60 R1/8 Lead Switches (Contact Type) Normally Open / LED Lights when ON Lead Wire Length 1m Contact Capacity: 85 – 115/WC /5 – 30/VDC, 25/MA or less	

