

PRESSURE SENSORS

Type YSK, XSK & FSK

SAGHOMIYA

GENERAL DESCRIPTION

- High reliability and accuracy
- Double diaphragm structure
- Diffusion silicone chip pressure sensor

COMMON SPECIFICATIONS

- Fluid temperature range: -4 to 160 °F (Type YSK, XSK)
 -7 to 347 °F (Type FSK)
- Ambient temperature range: -4 to 168 °F (Type YSK, XSK)
 14 to 122 °F (Type FSK)



Type YSK



Type XSK



Type FSK

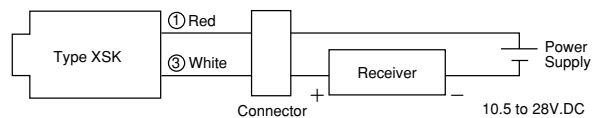
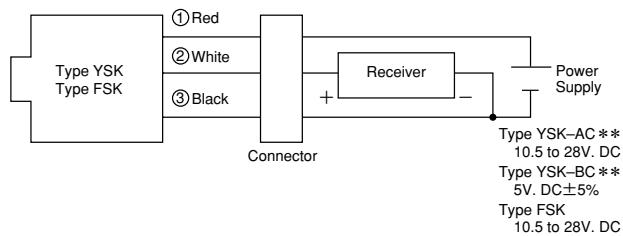
TYPE NUMBER SELECTION (SPECIFICATIONS)

Unit: psi { bar}

Catalog No.	Pressure Range	Supply Voltage	Output	Accuracy	Current Consumption	Load Resistance	Max. Operation Pressure	Wt. (kg)
YSK-AC10B-107	-10 to 145 { -0.65 to 10 }	10.5 to 28 V.DC	0.75 to 5V. DC	$\pm 3\%$ F.S. (Included non linearity hysteresis, and temperature drift)	Max. 10mA	Min. 5 K Ω	550 {37.5}	0.08
YSK-AC20B-107	0 to 290 {0 to 20}		1 to 5V. DC					
YSK-AC30B-107	0 to 435 {0 to 30}							
YSK-AC35B-107	0 to 500 {0 to 35}							
YSK-AC50B-107	0 to 725 {0 to 50}							
YSK-BC10B-107	-1 to 145 { -0.65 to 10 }	5 V.DC $\pm 5\%$	0.3 to 3.5V. DC					
YSK-BC20B-107	0 to 290 {0 to 20}		0.5 to 3.5V. DC					
YSK-BC30B-107	0 to 435 {0 to 30}							
YSK-BC35B-107	0 to 500 {0 to 35}							
YSK-BC50B-107	0 to 725 {0 to 50}							
XSK-AC10B-107	-10 to 145 { -0.65 to 10 }	10.5 to 28V. DC	2.93 to 20mA	Max. 10mA	Max. 100 Ω at 12V. DC Max. 500 Ω at 24V. DC	550 {37.5}	0.09	
XSK-AC20B-107	0 to 290 {0 to 20}		4 to 20mA					
XSK-AC30B-107	0 to 435 {0 to 30}							
FSK-A01	0 to 145 (hPa abs) {0 to 1.013}	10.5 to 28V. DC	1 to 5V. DC	Max. 10mA	Min. 5 K Ω	0.5 (G) {5}	0.076	

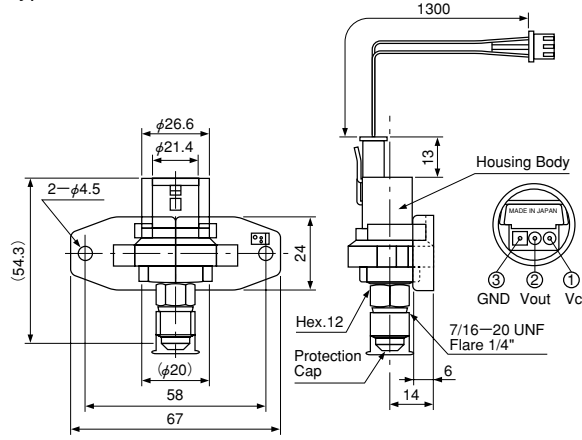
- The output of YSK-BC (5V. DC supply voltage) type will be in proportion of power supply voltage
- Enclosure IP66

WIRING

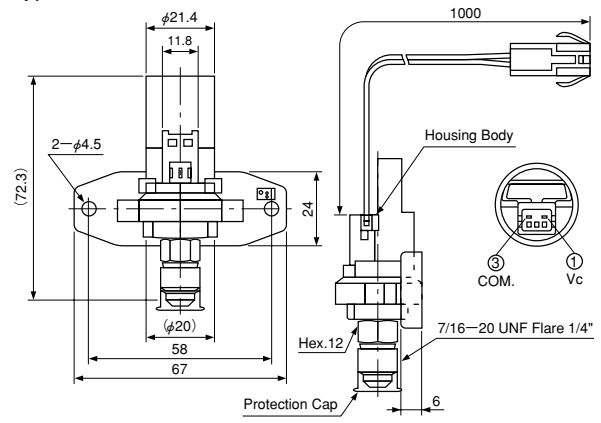


DIMENSIONS

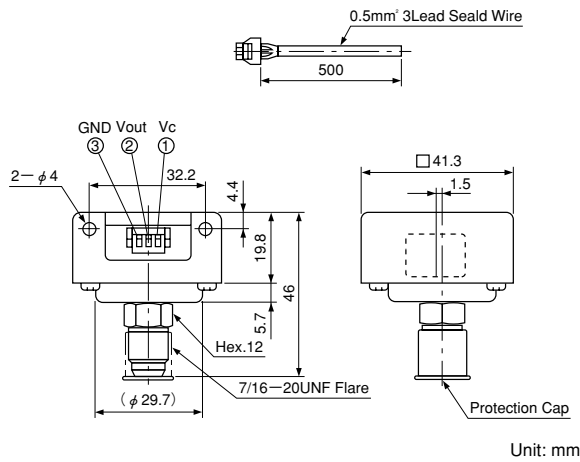
Type YSK



Type XSK



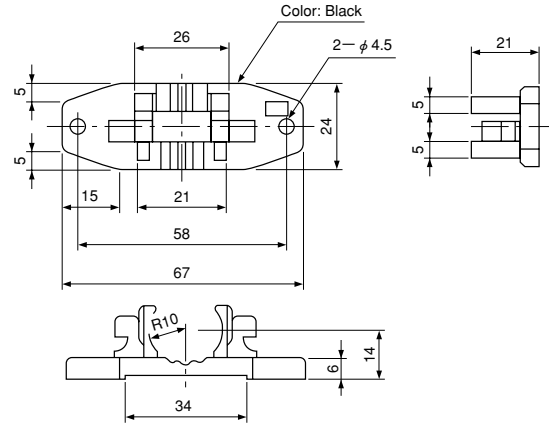
Type FSK



STANDARD ACCESSORY

- Lead wire with connector is supplied as standard accessory.
- Common used mounting bracket for YSK/XSK is supplied as standard accessory.

Type No. YSK-PP02



OPTIONAL PARTS

- Connection Material
Stainless steel pressure connection is available upon request.
- Connector Style
Standard connection style is 7/16-20UNF Flare.
The following connection styles are available as optional parts.

7/16-20 UNF Female with schrader depressor	Adapter for PT Connection																														
	Male Type	Female Type																													
	Approx. 36	Approx. 43																													
<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>7/16" UNF Flare</td> <td>14</td> <td>14.5</td> </tr> </tbody> </table>	A	B	C	7/16" UNF Flare	14	14.5	<table border="1"> <thead> <tr> <th>Size</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>1/4"</td> <td>R1/4" (MPT) G1/4" (MPF)</td> <td>17</td> <td rowspan="2">26.5</td> </tr> <tr> <td>3/8"</td> <td>R3/8" (MPT) G3/8" (MPF)</td> <td>19</td> </tr> </tbody> </table>	Size	A	B	C	1/4"	R1/4" (MPT) G1/4" (MPF)	17	26.5	3/8"	R3/8" (MPT) G3/8" (MPF)	19	<table border="1"> <thead> <tr> <th>Size</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>1/4"</td> <td>Rc1/4" (FPT) G1/4" (FPF)</td> <td>19</td> <td rowspan="2">34</td> </tr> <tr> <td>3/8"</td> <td>Rc3/8" (FPT) G1/4" (FPF)</td> <td>22</td> </tr> </tbody> </table>		Size	A	B	C	1/4"	Rc1/4" (FPT) G1/4" (FPF)	19	34	3/8"	Rc3/8" (FPT) G1/4" (FPF)	22
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Unit: mm



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