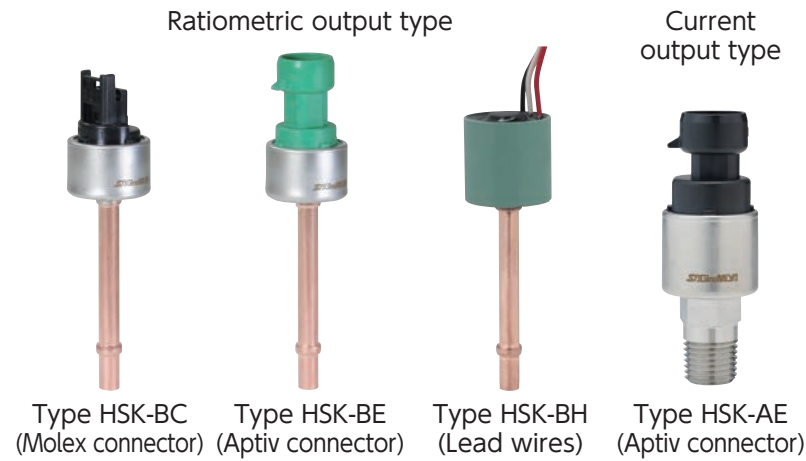


## PRESSURE SENSORS FOR ULTRA HIGH PRESSURE / Type HSK



### High Volume OEM Item

Drawings must be exchanged for purchase.  
Please contact SAGINOMIYA for more details.

### FEATURES

- Compatible with R744 (CO<sub>2</sub>).
- Accuracy of  $\pm 1.0\%$  F.S. across a wide temperature range.
- Compatible with a variety of connection types.  
(Stainless steel wetted parts are also available.)
- The pressure detection and signal conversion circuits are integrated into a single chip, delivering high precision and durability.
- Capable of handling subcritical to supercritical pressures.
- Available in two types: ratiometric output and current output.
- Current output type supports wiring up to 100m.
- Standards: CE, UL/cUL (Excluding HSK-BH)  
(Please contact us for details.)

### COMMON SPECIFICATIONS

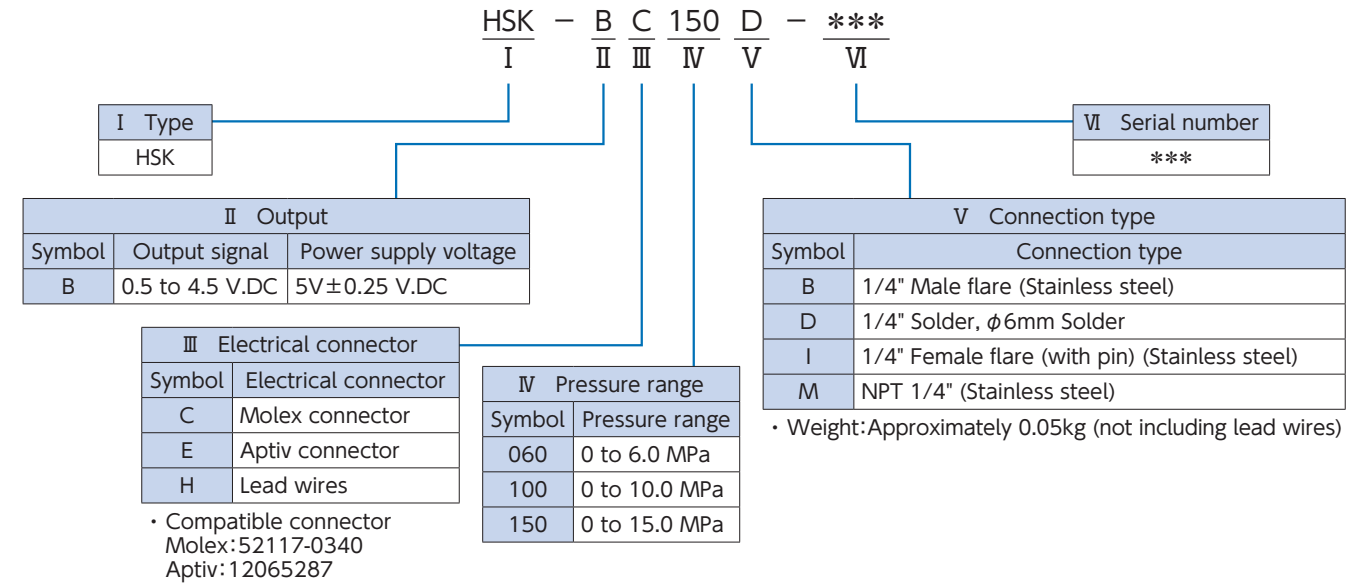
- Accuracy : Ratiometric output type  $\pm 1.0\%$  F.S. (-20 to 120°C)  
(including non-linearity, temperature characteristics, hysteresis, and repeatability)
- Fluid temperature : -40 to 135°C
- Ambient temperature : Ratiometric output type HSK-BH: -30 to 85°C  
HSK-BC, BE: -30 to 100°C  
Current output type -40 to 100°C
- Load resistance : Ratiometric output type 10k $\Omega$  or more  
Current output type (Vcc-7)/0.02A  $\Omega$  or less
- Power supply voltage dependency : Current output type  $\pm 0.05\%$  F.S./10 V or less
- Fluids : R744 (CO<sub>2</sub>), air, water, oil, inert gas
  - \* Not suitable for corrosive fluids.
  - \* When using with water, please choose stainless steel connections.
- Absolute pressure type : 1 atmosphere (1013 hPa abs) is set as 0 MPa.
- EMC : EN61000-6-2/EN61000-6-3
- Enclosure : IP66

### APPLICATIONS

- Heat pump water heaters
- Display cases
- Condensing units
- Chillers, etc.

## DESCRIPTION OF CATALOG NUMBER (Ratiometric Output Type: HSK-BC, BE, BH)

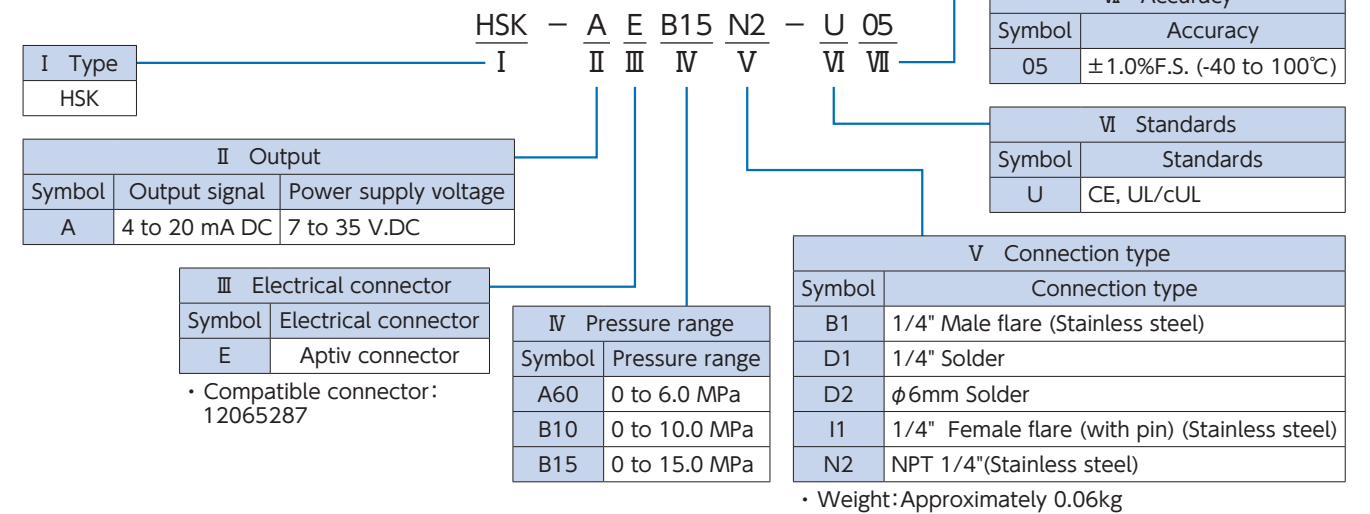
\*Selecting the following options (II to VI) will determine the catalog number.



\*Specifications other than those listed above are also available upon request. Please contact us for details.

## DESCRIPTION OF CATALOG NUMBER (Current Output Type: HSK-AE)

\*Selecting the following options (II to VII) will determine the catalog number.



\*Current output types with an accuracy of  $\pm 0.5\%$  F.S. (at 25°C) and  $\pm 1.5\%$  F.S. (-40°C to 100°C) are also available upon request.  
\*Specifications other than those listed above are also available upon request. Please contact us for details.

CONNECTION TYPES

1/4" Male flare (Stainless steel)	1/4" Solder	φ6mm Solder	1/4" Female flare (with pin) (Stainless steel)	NPT 1/4" (Stainless steel)

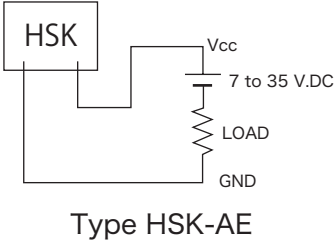
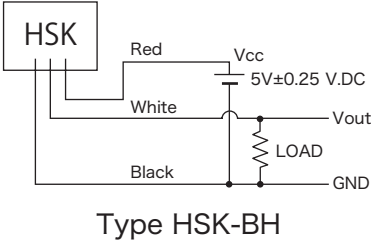
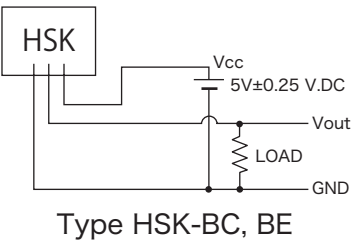
\*For connection types other than the above, please contact us.

Unit:mm

DIMENSIONS / WIRINGS

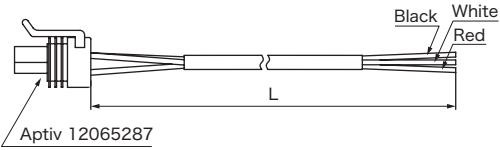
 Type HSK-BC	 Type HSK-BE	 Type HSK-BH	 Type HSK-AE
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Unit:mm



OPTIONAL PARTS

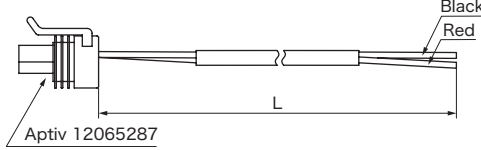
● Extension cables for HSK-BE



Part number	L (mm)
NSK-PP1005	1000
NSK-PP1006	3000

\*Up to 3000mm

● Extension cables for HSK-AE



Part number	L (mm)
NSK-PP1001	1000
NSK-PP1002	3000
NSK-PP1003	5000
NSK-PP1004	10000