



## HONSBERG - VHS SERIES FLOW METER

Spindle (screw)

VHS025GAO0140B

Flow sensor, PNP, 1.4 - 140l/min, G1"

- For oil and lubricating liquids up to 40,000 cSt
- For high flows up to 2500 l/min
- Up to 350 bar pressure
- Light and compact design



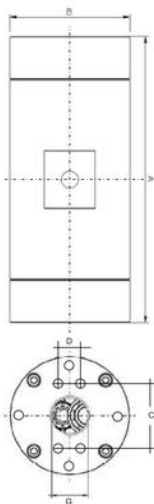
### PRODUCT DESCRIPTION

Model VHS is a screw flow sensor designed especially for applications with viscose media and high flows. Has high accuracy regardless of viscosity up to 40,000 cSt and maintains a low sound level under 50dB during operation. All mounting positions are possible and the direction of flow is independent of mounting position.

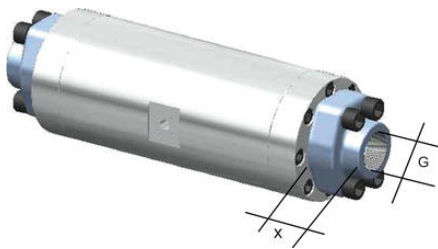
### TECHNICAL DATA

|                        |                                           |
|------------------------|-------------------------------------------|
| Accuracy               | ± 1% of the measurement value (at 20 cSt) |
| Connection type        | Internal thread, G 1 "                    |
| Electrical connection  | Plug connector DIN 43650-A                |
| Flow max               | 200 l/min                                 |
| Flow range max         | 140 l/min                                 |
| Flow range min         | 1,4 l/min                                 |
| Function               | Screw                                     |
| IP class               | IP67                                      |
| Material of connection | Aluminium                                 |
| Power consumption      | 19 mA                                     |
| Pressure drop          | About 3 bars at 100 cSt                   |
| Pressure range max     | 160 bar                                   |
| Repeatability          | 0,25 %                                    |
| Signal outputs         | PNP / NPN frequency                       |

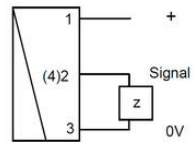
|                           |           |
|---------------------------|-----------|
| Temperature of media from | -25 °C    |
| Temperature of media to   | 80 °C     |
| Weight                    | 3,44 kg   |
| Viscosity max             | 40000 cSt |
| Voltage dc max            | 30 V      |
| Voltage dc min            | 10 V      |



| G"     | A mm | B mm | C mm  | D mm | X mm | Screw |
|--------|------|------|-------|------|------|-------|
| 1"     | 220  | 88   | 57,1  | 27,8 | 44   | 6xM8  |
| 1 1/4" | 270  | 100  | 66,7  | 31,6 | 44   | 8xM8  |
| 1 1/2" | 320  | 115  | 79,4  | 36,5 | 51   | 8xM10 |
| 1 3/4" | 340  | 135  | 79,4  | 36,5 | 51   | 8xM12 |
| 2"     | 400  | 160  | 96,8  | 44,4 | 70   | 8xM14 |
| 2 1/2" | 430  | 180  | 96,8  | 44,4 | 70   | 8xM16 |
| 3"     | 478  | 210  | 123,8 | 58,7 | 75   | 6xM20 |



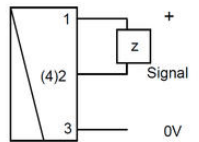
Push pull to PNP



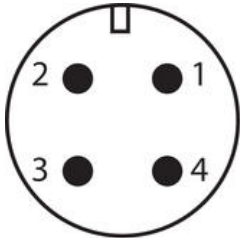
z = load

1 +10..30 V DC  
2 utsignal  
4 0 V

Push pull to NPN



PNP/NPN (DIN 43650-A)



1 +10..30 V DC  
3 0 V  
4 utsignal

4-20 mA (M12x1-kontakt)