

## 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



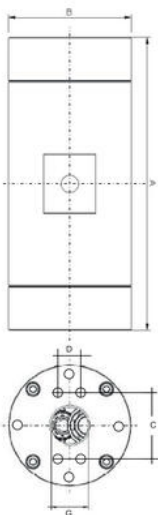
### PRODUCT DESCRIPTION

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.

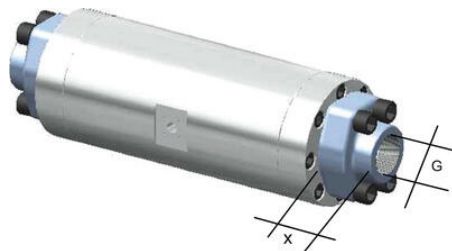
### TECHNICAL DATA

<b>Accuracy</b>	± 1% of the measurement value (at 20 cSt)
<b>Connection type</b>	Internal thread, G 1 "
<b>Electrical connection</b>	Plug connector DIN 43650-A
<b>Flow max</b>	200 l/min
<b>Flow range max</b>	140 l/min
<b>Flow range min</b>	1.4 l/min
<b>Function</b>	Screw
<b>IP class</b>	IP67
<b>Material of connection</b>	Aluminium
<b>Power consumption</b>	19 mA
<b>Pressure drop</b>	About 3 bars at 100 cSt
<b>Pressure range max</b>	160 bar
<b>Repeatability</b>	0.25 %
<b>Signal outputs</b>	PNP / NPN frequency

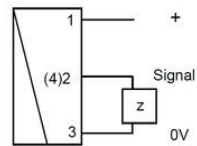
Temperature of media from	-25 °C
Temperature of media to	80 °C
Weight	3.44 kg
Viscosity max	40000 cSt
Voltage dc max	30 V
Voltage dc min	10 V



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 1/2"	340	135	79,4	36,5	51	8xM12
2"	400	160	96,8	44,4	70	8xM14
2"	430	180	96,8	44,4	70	8xM16
2 1/2"	478	210	123,8	58,7	75	6xM20

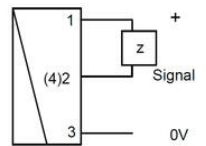


Push pull to PNP



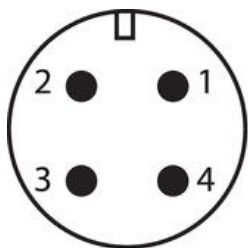
z = load

Push pull to NPN



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

PNP/NPN (DIN 43650-A)



1 +10..30 V DC

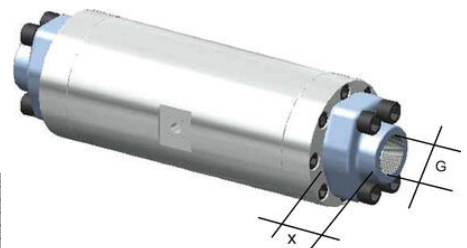
3 0 V

4 utsignal

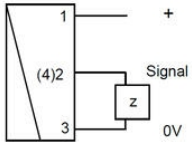
4-20 mA (M12x1-kontakt)



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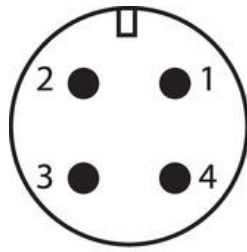
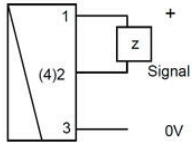


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