

HySense QO 100

Oval wheel counter for minimal flow rates

The oval wheel counter QO 100 has been developed for the accurate measurement of minimal volume flow rates. They are robust and characterized by their simplicity and user-friendliness. Typical media are water and watery media, but they can also be used for oil, grease and petrol.



Similar illustration

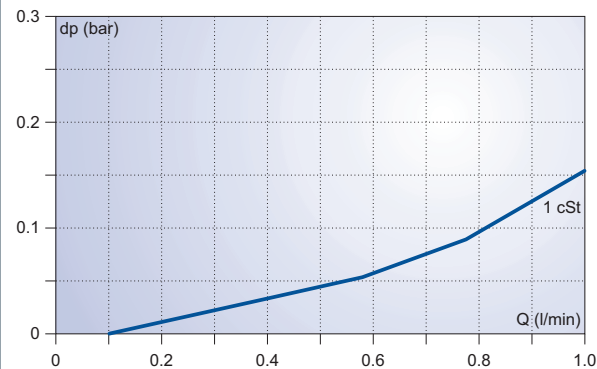
Qualities	
Measuring principle	displacement
Viscosity range	1 ... 150 cSt
Medium temperature	-10 ... +70 °C
Environmental temperature	-10 ... +60 °C
Storage temperature	-10 ... +70 °C
Output signal	REED, NPN
Allowed working pressure	40 bar / 4 MPa
Error limit (calibrated)	< ± 0.5 % of current value
Repeatability	0.1 % of measured value
Electrical measuring connector	depends on output signal
Protection type (EN 60529 / IEC 529)	IP 67
Process connection	inside thread G 1/8" or 1/4"
Calibration viscosity	1 mm ² /s (cSt)
Materials	Aluminium, PPS
EMC test	DIN EN 60947-5-2
Sealings	FKM

Available in several versions:

- different output signals
- different materials
- different calibration viscosities
- on-site display



Q = 0.1 ... 1.0 l/min



Measuring range	Output signal	Weight	Order number
l/min		g	
0.1 ... 1.0	REED	820	F130-11-11.11
	NPN		F140-11-11.11

HySense QO 200

Oval wheel counter for low volume flow rates



Similar illustration



The oval wheel counters QO 200 are built up modularly to make them suitable for a broad range of applications. They are very robust and user-friendly as a result of their simplicity.

Qualities

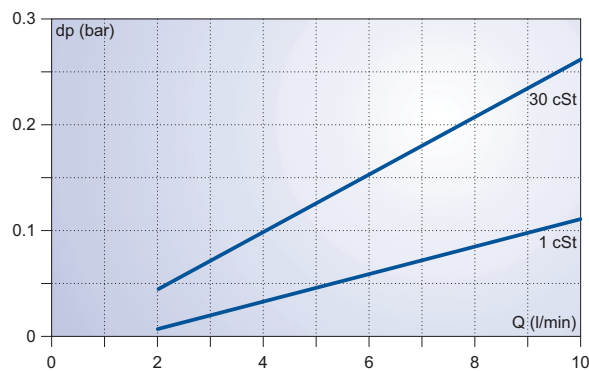
Measuring principle	displacement
Viscosity range	1.5 ... 150 cSt
Medium temperature	-10 ... +80 °C
Environmental temperature	-10 ... +55 °C
Storage temperature	-10 ... +55 °C
Output signal	REED, NPN
Allowed working pressure	40 bar / 4 MPa
Supply voltage U _b	10 ... 30 VDC
Error limit (calibrated)	< ± 0.5 % of current value
Process connection	inside thread G 1/2"
Electrical measuring connector	depends on output signal
Protection type (EN 60529 / IEC 529)	IP 67
Calibration viscosity	1 mm ² /s (cSt)
Materials	Aluminium, PPS
Sealings	NBR

Available in several versions:

- different output signals
- different materials
- different calibration viscosities
- different measuring ranges
- on-site display



Q = 1 ... 10 l/min



Messbereich	Ausgangssignal	Gewicht	Bestellnummer
l/min		g	
0.2 ... 2.0	REED	2,200	F230-16-13.31
	NPN		F240-16-13.31
0.5 ... 5.0	REED	2,400	F330-16-13.31
	NPN		F340-16-13.31
1.0 ... 10	REED	2,700	F430-16-13.31
	NPN		F440-16-13.31

HySense QO 300

High-precision oval wheel counter for low volume flow rates

The oval wheel counters QO 300 work with very high precision and can be used for many applications. They are suitable for oily media, as long as they do not corrode aluminium; e.g. for hydraulic and grease oils, and petrols in process and laboratory environments.



Similar illustration



Important note:

Please consider when applying the QO 300 that it may not be used for media that corrode Aluminium.

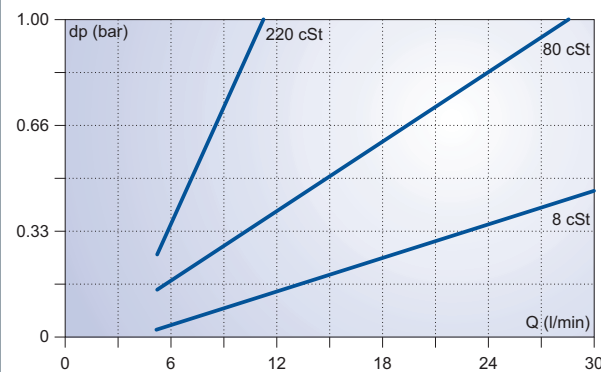
Qualities	
Measuring principle	displacement
Viscosity range	3 ... 2,300 cSt
Medium temperature	-10 ... +80 °C (up to +130 °C on request)
Environmental temperature	-20 ... +65 °C
Storage temperature	-20 ... +65 °C
Output signal	REED, NPN
Allowed working pressure	16 bar / 1.6 MPa
Supply voltage U_b	10 ... 30 VDC
Error limit (of current value)	$\pm 0.3\% \dots \pm 1.0\%$ ($\pm 0.05\%$ on request)
Process connection	inside thread G 3/4"
Electrical measuring connector	depends on output signal
Protection type (EN 60529 / IEC 529)	IP 50
Calibration viscosity	3 mm ² /s (cSt)
Materials	Aluminium
Sealings	compound 19457

Available in several versions:

- different output signals
- different materials
- different calibration viscosities
- on-site display



Q = 1 ... 10 l/min



Measuring range	Output signal	Weight	Order number
l/min		g	
1 ... 30	REED	1,400	F770-57-35.64
	NPN		on request