

Gear Flowmeters

A part of Witec Subsea Flowmeter Series



Key Features

- Wide flow range
- Multiple electrical outputs
- Corrosion resistant materials
- Separate electronics housing
- High accuracy at low flow
- Rated to 15,000 psi (1035 bar) and 6,000 m

Product Description

The Witec Subsea Gear Flowmeter series offers a wide range of flow capacities, electrical outputs and corrosion-resistant materials for subsea use. Electronics are housed in a separate vessel for easy interchangeability and spares management.

It measures flow using two precision gears inside the chamber. As fluid passes through, the gears rotate and their frequency is measured by a non-intrusive subsea sensor through the housing wall. The design provides reliable and precise flow measurement in demanding subsea environments.



Specifications

Type
Integral Subsea Gear Flowmeter

Part no.
WHK 1000-series

Measuring Range (L/min)
0,02 - 75

Housing Material
316 Stainless Steel

Power Supply
10 - 25 VDC

Gear Flowmeters

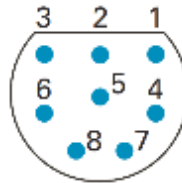
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Pin Out

Pin 01	0 VDC
Pin 02	24 VDC
Pin 03	NC
Pin 04	NC
Pin 05	Pulse 1
Pin 06	Pulse 2
Pin 07	NC
Pin 08	NC

Connector Face View



Model	Measuring Range (L/min)	K Coefficient (Pulse/L)	Max Working Pressure	Output	Hydraulic Connection	Accuracy
WHK1106	0,02 - 3	13,500	1035	Connector 55 Series Shell size 15 - 8 pin 2 internal pulse pickups	3/8 MP	0.5 %
WHK1106N	0,02 - 3	13,500	1035	Scorpion Connector 116-fcr-06-00-1000 2 internal pulse pickups	3/8 MP	0.5 %
WHK1100	0,2 - 25	0.5 % 1400	1035	Connector 55 Series Shell size 15 - 8 pin 2 internal pulse pickups	3/8 MP	0.5 %
WHK1105	0,5 - 75	420	1035	Connector 55 Series Shell size 15 - 8 pin 2 internal pulse pickups	3/4 MP	0.5 %