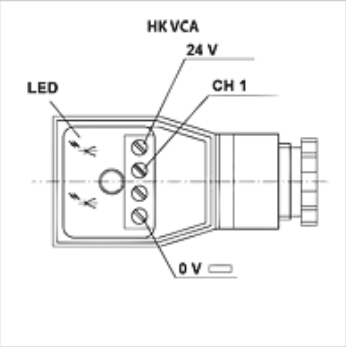
HK VCA
Gear flow meter

Properties

Application	Volumetric flow measurement
Output signal	PNP / NPN
Operating voltage	12 - 30 V DC, polarised
Operating temperature max.	80 °C
Material	Housing: Aluminium AlMgSi F30 Measurement mechanism: Steel 1.7139





Description

Series HK VCA gear flow meters are flow meters for viscous fluids. The metering system consists of a pair of gears, which are driven by the flow of fluid using the same principle as a gear motor.
The metering system bearings are designed as radial-axial friction bearings. The motion of the gears is sampled by a magnetoresistive sensor separate from the metering room.
Measuring accuracy HK VCA 2: ±-2.5 % of range limit value
Measuring accuracy HK VCA 5: ±-1.0 % of range limit value
Protection class IP 64 DIN 40050
1 measuring channel
Pulse amplitude: UA >= 0.8 UB
Output signal pulse shape: Rectangular, scanning ratio/channel 1:1 +-15 %

Item

Identification	Design	Thread	Measuring range	Pressure max. (bar)	Weight (kg)
HK VCA 2 FC R1	Square wave output signal	G 3/4”	1 to 65 l/min	160	1,9
HK VCA 2 FC R1V	without preamplifier (for plug-in display HK SD1)	G 3/4”	1 to 65 l/min	160	1,8
HK VCA 5 FE R1 176	Square wave output signal	G 1"	1 to 200 l/min	80	6,0
HK VCA 5 FE R1V 176	without preamplifier (for plug-in display HK SD1)	G 1"	1 to 200 l/min	80	6,0

Accessories

HK SD1	Plug-in display digital

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