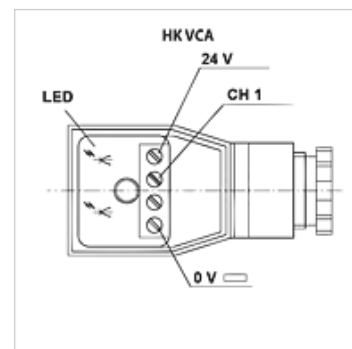


Properties

| | |
|-----------------------------------|--|
| 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: $U_A \geq 0.8 U_B$

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 |
|---------------|-------------------------|