Flow meter for a wide range of applications

(Suitable evaluation devices: GIA20EB, GIR230FR, GIA2000, GIR2002)

FHK

Advantages

- exact measurings of fluid volumes
- long life

Application

alcoholic and non alcoholic drinks, chemicals, water, wine etc.

Specification

Meas. range: approx. 0,03 - 0,58 l/min (other ranges upon request)
Nozzle: D=1 mm.
Pulse rate: approx. 2223 imp./l
Pressure range: max. 20 bar (at 20°C)
Viscosity of media: < 50 cSt.
Meas. accuracy: ±2%
Repetitive accuracy: <0,25%
Power supply: 5-24 V DC; max. 13 mA
Output signal: open collector, NPN
Flow connections: 2 x G¼" IG parallel
Operating temperature: -10 to 100 °C
Dimensions: approx. 55 x 40 x 66 mm incl. plug
Material of housing: ARNITE, turbine: PVDF, sealings: Viton

EPI

Advantages

- suitable for higher viscous media
- calibratable

Application

chemicals, oil, sirup, liquid soap, catchup, mayonnaise, cleaning agent concentrate, for standardization use

Specification

Meas. range: 0,06 - 5,35 l/min (depending on viscosity)
Nozzle: D=7 mm
Pulse rate: approx. 462 imp./l
Pressure range: max. 10 bar (at 20°C)
Viscosity of media: approx. 5 - 8000 cSt.
Meas. accuracy: ±1 % (depending on viscosity)
Repetitive accuracy: < 0,25 %
Power supply: 5-24 V DC; max. 13 mA
Output signal: open collector, NPN
Flow connections: 2 x G¼" IG
Operating temperature: -10 to 65 °C
Dimensions: approx. 88 x 68 x 57 incl. plug.
Material of housing: PEEK, sealing: viton

FH-Messing

Advantages

- sturdy metal housing
- high temperature range
- high operating pressure

Application

Measuring of low-viscous media in beverage and chemical industry etc., such as petrol, fuel etc.

Specification

Meas. range: approx. 0,09 - 1,26 l/min (other ranges upon request)
Nozzle: D=1.5 mm.
Pulse rate: approx. 1450 imp./l
Pressure range: max. 20 bar (at 20°C)
Viscosity of media: < 50 cSt.
Meas. accuracy: ±2%
Repetitive accuracy: <0,25%
Power supply: 5-24 V DC; max. 13 mA
Output signal: open collector, NPN
Flow connections: 2 x G¼" IG parallel
Operating temperature: -10 to 100 °C
Dimensions: approx. 55 x 40 x 66 mm incl. plug.
Material of housing: brass chemically nickel plated, sealings: Viton, nozzle: V2A

Scope of supply: cpl. with 2 tube screw-type glandings for internal tube Ø 8mm.

FHKU

Advantages

- suitable for large flow
- low pressure drop
- standard thread connection

Application

Water, acetone, alcohol, ammonia, benzene, vinegar, dilution bases, wine, whiskey, Dosing, and other

Specification

Meas. range: approx. 3 - 26,7 l/min
Nozzle: D=10 mm
Pulse rate: approx. 65 imp./l
Pressure range: max. 20 bar (at 20°C)
Viscosity of media: < 50 cSt.
Meas. accuracy: ±2 %
Repetitive accuracy: <0,25 %
Power supply: 5-24 V DC; max. 13 mA
Output signal: open collector, NPN
Flow connections: 2 x G1/2" A
Operating temperature: -10 to 100 °C
Dimensions: approx. 75 x 43 x 67 incl. plug.
Material of housing: Ryton, sealing: viton

FHK-PVDF

Advantages

- all parts coming into contact with media are plastic
- suitable for chemical and aggressive media

Application

Chemical industry: products containing tensides, alkaline products, acids.
Industry: Monitoring of cooling media circuit at machines, dosing and consumption quantity measurements

Specification

Meas. range: approx. 0,25 - 5 l/min (other ranges upon request)
Nozzle: D=3,3 mm.
Pulse rate: approx. 1033 imp./l
Pressure range: max. 20 bar (at 20 °C)
Viscosity of media: < 50 cSt.
Meas. accuracy: ±2%
Repetitive accuracy: <0.25%
Power supply: 5-24 V DC; max. 13 mA
Output signal: open collector, NPN
Flow connections: 2 x G¼" IG parallel
Operating temperature: -10 to 100 °C
Dimensions: approx. 54 x 40 x 66 mm incl. plug.
Material of housing: PVDF, sealings: Viton, nozzle: PTFE, axis: PCTFE

FHKSC

Advantages

- compact device
- measuring of very small quantities
- highly suitable for sucking operations

Application

Beverage industry: wine, spirits, mineral water etc.
and chemically slightly aggressive media

Specification

Meas. range: approx. 0,08 - 0,57 l/min.
Nozzle: D=1.2 mm
Pulse rate: approx. 1925 imp./l
Pressure range: -1...+0,3 bar (at 20°C)
Viscosity of media: < 50 cSt.
Meas. accuracy: ±2 %
Repetitive accuracy: <0,25 %
Power supply: 3.8-20 V DC; <8 mA
Output signal: open collector, NPN
Flow connections: 2 x 6 mm tube connection
Operating temperature: -10 to 65 °C
Dimensions: approx. 55 x 40 x 55 mm.
Material of housing: ARNITE, sealing: silicone.