DIGMESA

Successful measurement

Catering trade

Important notes

These meters are suitable above all for watery fluids. It is possible to measure fluids of a higher viscosity, but this causes the range of measurement to be restricted.

Details such as temperature, pressure and flowrange measurement are based on tests that were carried out using water (at 20°C / 68°F).

Devices for the measurement and metering of spirits and syrup etc are to be found in the Industry section. See at to the devices with SK approval.

조선계측기

Food-Flowmeters

Fitting position	using ruby bearing; freely selectable using pin bearing; **horizontal**
Electrical connection	Standard 3-pin, AMP 2.8 x 0.8 mm Micro-DIN 43650-C
Temperature range	–10°C to +65°C/14°F to 149°F
Pressure range	max. 5.5 bars/79 psi at 20°C/68°F

Materials

Housing	PBT 35% GF (Arnite)
Seal	MVQ (Silicon O-ring)
Bearing/bearing pin	Ruby bearing: ruby Pin bearing: INOX 18/8 (1.4305)
Turbine	PVDF with two magnets. (In devices with ruby bearing the magnets are welded ultrasonically, in devices with pin bearing the magnets are in contact with the medium.
Magnets	Ceramic Sr Fe O
Options	Foam detector sm (3-pin) Foam detector sm SIG (4-pin) The magnetic-socket set (IP 65 - EN 60529) is included within the supply specifications for all food-flowmeters.
Approvals/Norms	NSF, SK 223.01, CE

The food-flowmeter is a precision device that finds universal application. It measures with constant precision and guarantees the most exact of fluid measurements. The electronic pulse generator integrated into the food-flowmeter guarantees in addition a practically unlimited serviceable life. The food-flowmeter finds particularly successful application in bar and post-mix systems. What is more, it will likewise accurately measure spirits or chemically aggressive media and can therefore find usage in the most varied branches of industry.
You can find other SK-validated devices for larger throughput quantities in the 'Industry' section on pages 20 and 21.

Food-Flowmeter FFC 40 / FF JG 40

Suitable for soft drinks, milk, wine etc

Connections	FFB2 50: 2 x external thread 5/8" FF JG 50: «John Guest» hose connection hose OD: 8.0 mm / 5/16" or 9.5 mm / 3/8" or 10.0 mm
nozzle size	Ø 5,0 mm
Flowrange	0,3–10,0 l/min
Weight	Approx. 122 g
Dimen. (L x B x H)	Approx. 89 x 57 x 64 mm

Food-Flowmeter FFB2 50/ FF JG 50

Suitable for beer, as well as for soft drinks, milk, wine etc.

Connections	FFB2 50: 2 x external thread 5/8" FF JG 50: «John Guest» hose connection, hose OD: 8.0 mm / 5/16" or 9.5 mm / 3/8" or 10.0 mm
nozzle size	Ø 5.0 mm
Flowrange	0.3–10.0 l/min
Weight	Approx. 122 g
Dimen. (L x B x H)	Approx. 89 x 57 x 64 mm

Food-Flowmeter FFB 50

Suitable for soft drinks, milk, wine etc.

Connections	1 x external thread 5/8" and 1 x swivel nut
nozzle size	Ø 5,0 mm
Flowrange	0,3–10,0 l/min
Weight	Approx. 176 g
Dimen. (L x B x H)	Approx. 103 x 57 x 64 mm

Can only be supplied with jewel bearing

Food-Flowmeter FFP 50

Suitable for soft drinks, milk, wine etc.

Connections	2 x external thread UNF 7/16" (Pepsi screw connection)
nozzle size	Ø 5,0 mm
Flowrange	0,3–10,0 l/min
Weight	Approx. 122 g
Dimen. (L x B x H)	Approx. 94 x 57 x 64 mm

Ruby bearing

The pin bearings manufactured with Swiss accuracy sit in two cups made of ruby and have absolute freedom of movement due to their degree of hardness. Devices with jewel bearings can be fitted in any position.

Pin bearings

To prevent measurement errors, devices that use pin bearings must be fitted **horizontally** (right-angled wall fitting of a board or piece of angle steel).

Foam detector sm

Foam detectors come into contact with the medium. They recognize whether fluid or foam is present. This information is fed to the integrated electronics contained in the upper part.
In the 3-pin version the electronics interrupt the pulse emission. In the 4-pin (SIG) version a signal can be evaluated.