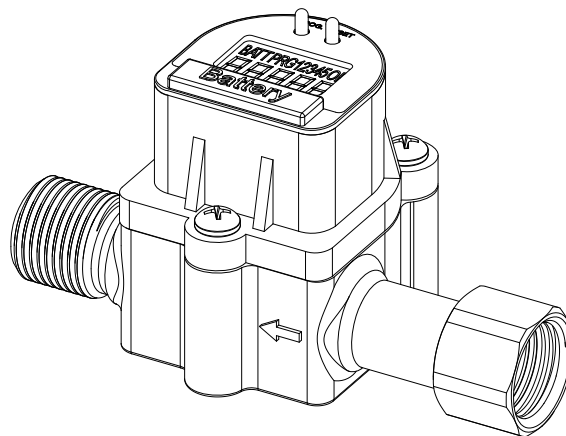


DATA SHEET



DIGIMESA 
CHOOSE THE ORIGINAL

FHKU LCD G3/8" Grivory
Part number: 938-A970-LE50xx

Digimesa AG, Keltenstrasse 31, CH-2563 Ipsach / Switzerland
Phone +41 (32) 332 77 77, Fax +41 (32) 332 77 88

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General Description

The Flow Sensor FHKU LCD is an universally applicable control device and Flow Sensor. It guarantees most precise fluid measurements. Excellent suitability to the monitoring of ion exchanger filter cartridges and for the treatment of water.

Specific applications: Time and date administration, upward or backwards counters, history with date, instantaneous value announcement, automatic impulse calibration, litres and /or alarm-date, security code prevents tampering by unauthorised persons. Current supply over lithium battery. With a battery change all attitudes and values are stored.

Approvals / Standards

EMV-Standard:
EN 61326: 1997 + A1:1998 + A2: 2001
(IEC 61326: 2002)



Material Flow Sensor:

Housing:	Grivory GV-6 FWA
Bearing pin:	like housing
O-Ring:	EPDM
Turbine:	PVDF
Magnets:	Keramik Sr Fe O (in contact with the medium)
Screw:	PT-screws (Phillips cross recessed)
Gasketes:	EPDM

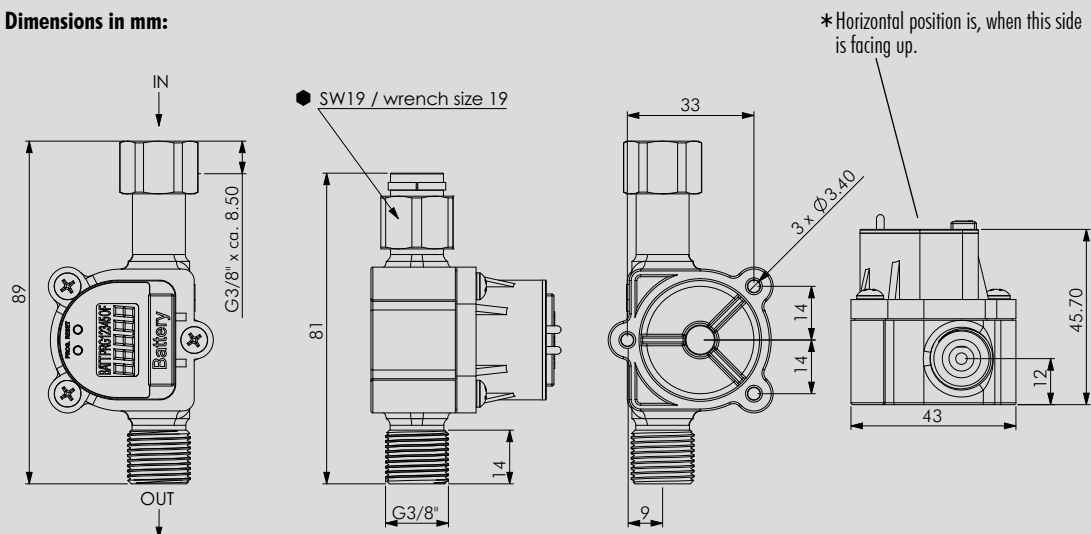
Technical data Flow Sensor:

Flow rate:	0.72 - 17.50 l/min
Continuous operation:	< 500 rpm
Measuring accuracy:	+/- 3.0%
Repetition:	< +/- 0.25%
Temperature range:	0°C to +60°C 32°F to 140°F
Pressure range:	10 bar at 20°C 145 psi / 68°F
Mounting position:	Horizontal *
Nozzle size:	Ø 7.0 mm

Technical data external display:

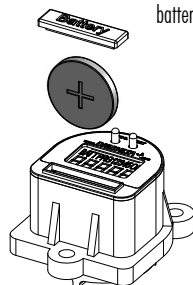
Splash-proof:	IP X4
Limit-measurement:	1 - 99999 Litres
Pulses/litre:	1 - 65000
Statistics memory:	the last 5 zero resets
Display:	5 digit
Counter:	upward 0 to 99999 litres with and without limit downward 99999 to -9999 litres
Instantaneous value:	l/min
Battery:	lithium CR 2032

Dimensions in mm:



Battery-change:

battery-type: CR 2032



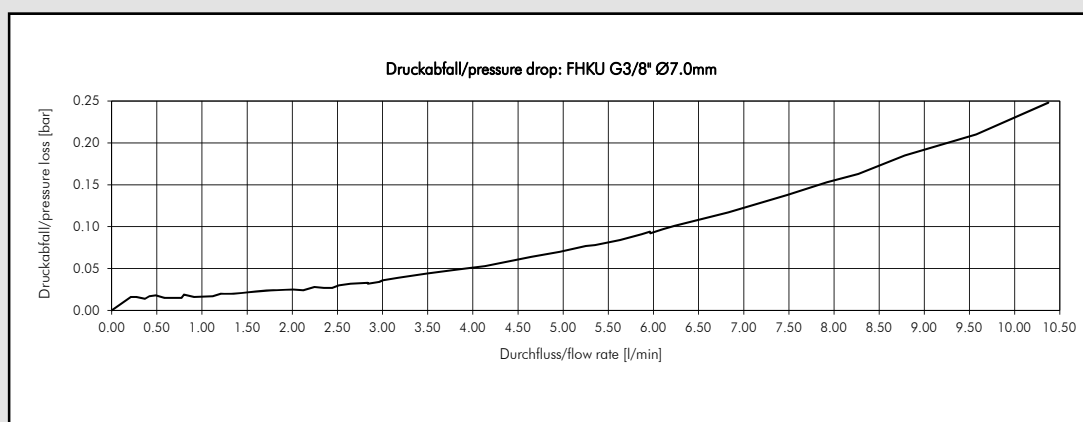
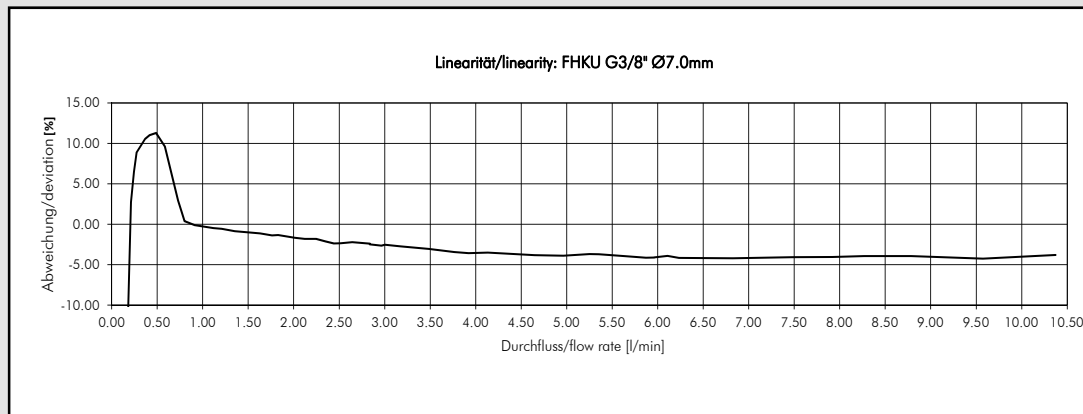
We reserve the right to make modifications in the interests of technical progress.

RESISTANCE

Special regulations which must be complied with by the flowmeter manufacturer apply to each country, e.g. CE, NSF, FDA and SK. The various media flowing through the flowmeter differ from application to application. You are advised to enquire with the medium manufacturer as to whether the entire installation and the flowmeter are resistant to the medium itself (see Material)!

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Measurement Curve FHKU LCD G3/8" Ø7.00mm



Medium: Water / max. Pressure: 3.3 bar

Nozzle size	Pulses/litre	g/pulse	min. flow rate in [litres/min] at linear start	max. flow rate in [litres/min]	Pressure loss in [bar]
Ø 7.00 mm	283	3.53	0.72	10.82	0.26

MEASUREMENT TIPS

- Ensure that there is no fast-pulsatory movement of the media
- Ensure that there are no reverse pressure surges
- Ensure that there is no air in the system
- Keep the pressure loss as small as possible
- Note the mounting position of the flowmeter
- Min/max flow should be in the linear range of the selected flowmeter
- Clean the system at appropriate intervals
- Avoid humidity at the battery and at the electrical contacts
- Avoid stray pick-up via the cable (Do not lay cables in parallel with high current loads)

The values specified must be considered as approximate values.

The number of pulses per litre may differ depending on medium and installation.

We recommend to calibrate the number of pulses per litre in line with the complete installation.