



Small turbine, big possibilities.

Turbine meters for low viscosity, non-aggressive liquids

The VISION series

The VISION turbine meters are ideal for the metering of small quantities of liquids. Instant and total flow can be displayed. The VISION 1000 series is most suited for small flow rates up to 2,5 l/min. The VISION series 2000 can be used in applications from 0,5 to 35 l/min and the VISION 3000 series offers a wider flow range of 5 to 65 l/min. These meters are best suited for flow measurement of demineralized water, alkaline solutions, oils/salad oil, fuel oil,

beverages, water solutions or for fuel and fuel consumption. They are especially ideal for washing machines and dish washers, coffee machines, laser cooling systems, solar plants, bakery and steam cooking machines in large kitchen plants and also CD cleaning.



VISION 1000 with DIN connector

VISION 2000

with AMP Faston



VISION 2000 with DIN connector

VISION 2000

with cable connection





• Excellent price/performance ratio

• Operates in any mounting position

• Compact construction

• High operating pressure

Easy installation

No maintenance

• Quick response time

VISION 3000 with DIN connector



VISION 2000 with cable connection

The ILR 700 electronic display is available in three versions:

- For VISION 1000, 2000 and 3000 meters as a wireless, battery-powered (1 x CR123A battery) display, with 2.4 GHz radio frequency, for remote reading of instant and total flow rate over a 5 m range
- For the VISION 3000 as battery-powered, on meter mounted display providing instant and total flow rate
- For all VISION turbine meters as a cabled version for remote reading.



Food & Beverage

- Coffee machines
- Dispensing systems
- Vending machines
- Bakery machines
- Steamers



Sanitary industry

• Instant electric water heaters

Measurement

of flow rate on

hot water line

to provide the

iquid volume in

the cup.

- Bathroom fittings
- Whirlpools
- Electric shower mixers



Automotive

- Fuel consumption measurement
- Fuel injection systems
- Compressors



Industrial applications

- Cooling and heating systems
- Laser cooling
- Osmosis systems
 - Solarplants
- Oil burners







Displays for the VISION series The ILR 700 series electronic register

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Applications



• Common rail test equipments



- Water Treatment/leakage monitoring • Filter monitoring systems
- Washing machines/dishwashers



Chemical, pharma & cosmetic industry

- Dosing systems
- Bottling plants
- Process industry
- Research or development



Medical applications

- Sterilizers
- Dental water jets
- Dialysis machines
- Disinfectors
- ENT treatment units
- Cleaning devices





Measuring and controlling low viscosity and non-aggressive iquids up to 15 cSt.

Monitoring of coolants in laser and wateriet uttina.



Flow control ultrafiltration has flow sensors on the inlet and outlet side of the dialyzer to allow control of dialysate flow.

Technical information: VISION turbine meters

Туре	VISION 1000	VISION 2000	VISION 3000	
Body material	Trogamid	Grilamid / Trogamid / Brass	Trogamid	
Viscosity range	0,8 – 16 mm²/s	0,8 - 16 mm²/s	0,8 – 16 mm²/s	
Accuracy	±3% of value	±3% of value	±3% of value	
Repeatability	< 0,5 % of reading	< 0,5 % of reading	< 0,5 % of reading	
Temperature range	-20 °C to +100 °C	-20 °C to +100 °C	-20 °C to +100 °C	
Operating pressure	25 bar max.	25 bar max.	25 bar max.	
Electrical connection	Electrical connector EN 60529 or cable connection	Electrical connector EN 60529 / AMP Faston or cable connection	Electrical connector EN 60529 or cable connection	
Power supply	5 – 24 VDC	5 – 24 VDC	5 – 24 VDC	
Output signal	Open collector NPN pulse	Open collector NPN pulse	Open collector NPN pulse	
Process connections	G ¼", NPT ¼"	G 3/8", NPT 3/8", o-ring, hose nipples	G ¾", NPT ¾"	
Approvals	KTW, NSF 61, WRAS	KTW, NSF 61, WRAS	-	

Specifications

	VISION 1000	VISION 2000						
Туре	1005 2F 66	2006 4F 44	2006 2F 66	2008 4F 17	2008 4F 22	2008 4F 44	2008 2F 66	3012 4F 16
Measuring range l/min	0,1 - 2,5	1 – 10	0,5 - 5	2 - 35	1 – 25	1 – 15	0,5 - 7,5	5 - 65
K factor PPL*	22.000	3300	6900	750	1000	2200	4700	210
Size DN (mm)	5	6	6	8	8	8	8	12

* PPL = pulses / litre



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