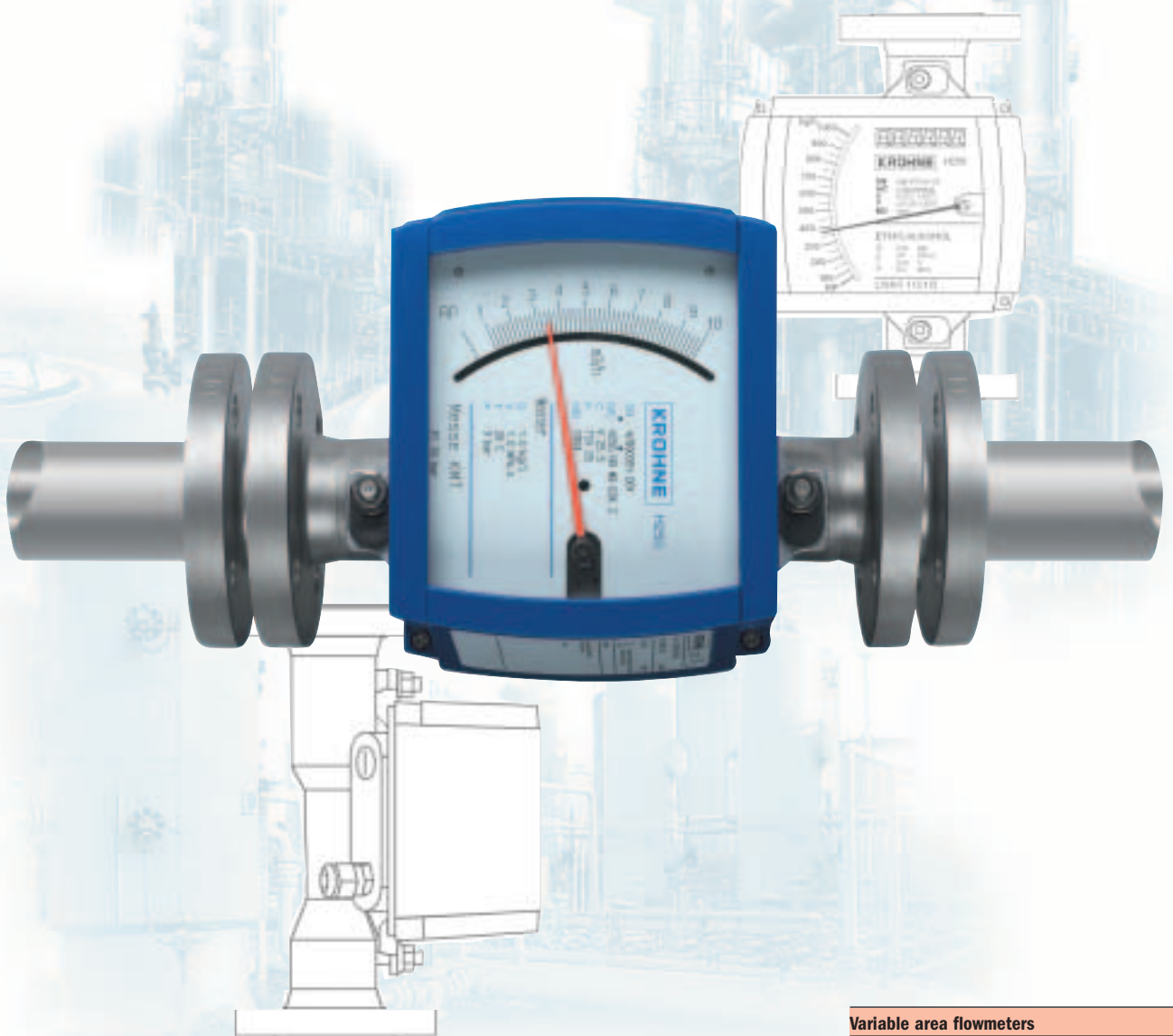


Flowmeter H 250 H for horizontal mounting



Variable area flowmeters

Vortex flowmeters
Flow controllers
Electromagnetic flowmeters
Ultrasonic flowmeters
Mass flowmeters
Level measuring instruments
Communications technology
Engineering systems & solutions
Switches, counters, displays and recorders
Heat metering
Pressure and temperature

H 250 H



Description

The H 250 H flowmeter for horizontal mounting is designed for measuring the volume flow rate of liquids.

It is an all-metal flowmeter that operates on the float principle. The flow-dependent position of the float in the measuring tube is transmitted by a magnetic coupling to the scale in the indicator part.

The flowmeter is installed in a horizontal pipe. Its rugged construction makes the H 250 H variable-area flowmeter especially suitable for difficult operating and environmental conditions.

In the **M9 indicator** the horizontal position of the float is transmitted to the pointer/magnet system and the flow value shown directly on the scale.

The responsibility as to the suitability, intended use and corrosion-resistance of the materials used in their construction rests solely with the purchaser.

H 250 H

... flowmetering couldn't be simpler or more flexible

one all-metal flowmeter

three electrical options:

- ESK 2-wire transmitter
- ESK3-PA Profibus PA transmitter
- K switching contacts

Measuring section

H 250 H measuring section

- Of highly corrosion-resistant stainless steel
- Rugged all-metal design
- All pressure welds suitable for X-ray examination

M9 indicator

- Direct flow indication
- Electrical signal output (ESK II) with HART® communication in 2-wire technology
- Communication interface PROFIBUS-PA, as alternative to ESK II
- Max. Two limit switches (K) adjustable on the scale (can be retrofitted)
- Multi-polarized ring magnet with effective eddy-current retarder
- Optionally available: seawater-resistant housing
- Optionally available: housing in stainless steel 1.4404 (M9 SS)

Flow table

100% flow values for water (m³/h)

Cone No.	DN15	DN25	DN50	DN80	DN100
1	0.06	1.0	13	40	40
2	0.10	1.6	18	48	60
3	0.18	2.4	25	64	100
4	0.26	3.4			
5	0.40	6.4			
6	0.65				
7	1.15				
8	1.60				

100% flow values for water (USGPH)

Cone No.	DN15	DN25	DN50	DN80	DN100
1	16	264	3434	10567	10567
2	26	423	4755	12680	15850
3	48	634	6604	16907	26417
4	69	898			
5	106	1691			
6	172				
7	304				
8	423				

Connection	Flange or screw connection
Mounting length	250 mm (10")
Accuracy class	2.5
Electrical output	4 ... 20 mA (option)
Contacts	max. 2 NAMUR 2-wire or open collector 3-wire
Max. pressure	PN 16 ... 100 bar (232 to 1450 psig)
Process temperature	-70 to +200°C (-94 to +392°F)
Ambient temperature	-20 to +90°C (-4 to +194°F) (standard)
Type of protection, indicator	IP 65
Material, measuring section	Stainless steel
Material, indicator	Die-cast aluminium with standard coating or corrosion-resistant coating or stainless steel
Connection	DN 15 ... DN 100 (1/2" to 4")
Turndown ratio	10 : 1

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