



Special features

- Pattern approved removable measuring insert
- Unique measuring range
- High overload capability
- Unlimited fitting position
- Meter body in short (WP) and long (WS) overall length acc. to DIN 19625 and EN 14154 available
- Measuring insert fits the meter body of WP-Dynamic
- Used materials are temperature resistant up to 90°C
- Register prepared for HRI pick-up
- Use of optical pulsers type OD is still possible

Application

- Measurement for billing of cold potable water acc. to regulation 75/33/EEC
- Measurement of high flowrates e.g. in pumped pipes
- Measurement of low flow e. g. in light load periods
- For leakage control

Options

- Version free of copper alloy for aggressive water
- Version for high pressure up to PN 40
- Version for use in hazardous area
- HRI factory mounted
- 1/4" pressure monitoring port

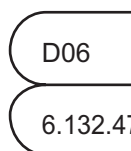
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Approval Mark



Size: DN 40 ... 150

Marking: metrological class B; 30°C

Performance Data

Nominal Diameter		DN	40	50	65	80	100	125	150
Q _s	Peak flow (short time)	m ³ /h	60	90	120	200	300	350	600
Q _{max}	Maximum flow (100 h)	m ³ /h	55	60	70	150	240	260	450
Q _n	Continuous flow	m ³ /h	40	40	50	100	120	160	250
Q _{th}	Transitional flow horizontal	m ³ /h	0.32	0.32	0.36	0.5	0.6	0.8	1.4
Q _{tv}	Transitional flow vertical	m ³ /h	0.4	0.4	0.65	0.65	1.1	1.6	2.6
Q _{min h}	Minimum flow horizontal	m ³ /h	0.2	0.2 (0,15)*	0.24 (0,2)*	0.3 (0,2)*	0.3	0.5	0.8
Q _{min v}	Minimum flow vertical	m ³ /h	0.28	0.28	0.4	0.5	0.5	1.0	1.6
	Starting flow (average value)	m ³ /h	0.05	0.05	0.07	0.10	0.11	0.15	0.3
Δp	Head loss at Q _{max} acc. to 75/33/EEC	bar	0.13	0.08	0.21	0.09	0.2	0.36	0.14

*) max. achievable values

Performance Data acc. to 75/33/EEC class B

Nominal Diameter		DN	40	50	65	80	100	125	150
Size (acc. to EEC)		Q _n	15*)	15	25	40	60	100	150
Q _{max}	Maximum flow (short time)	m ³ /h	30	30	50	80	120	200	300
Q _n	Continuous flow	m ³ /h	15	15	25	40	60	100	150
Q _t	Transitional flow	m ³ /h	3.0	3.0	5.0	8.0	12.0	20.0	30
Q _{min}	Minimum flow	m ³ /h	0.45	0.45	0.75	1.20	1.80	3.0	4.5

*) meter is approved as Q_n 15

Dial



DN 40...125

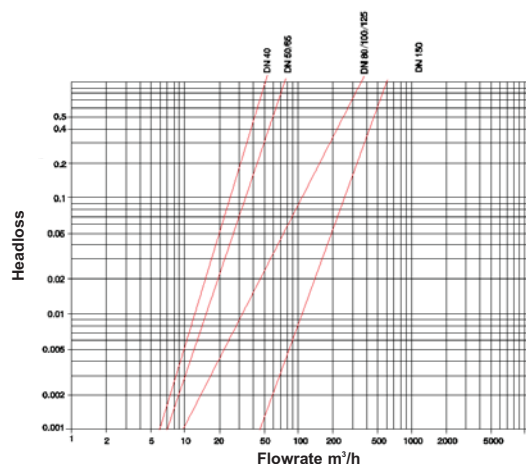


DN 150

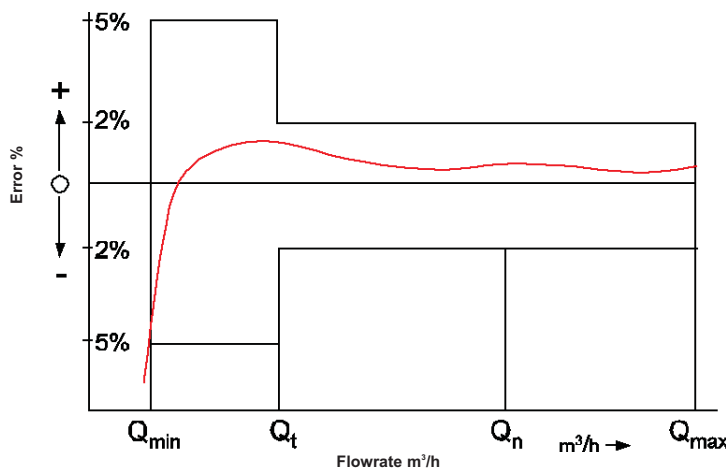
Nominal diameter DN	Smallest reading m ³	Max. reading m ³
40 ... 125	0.0005	1,000,000
150	0.005	10,000,000

MeiStream



Typical Headloss



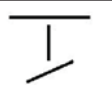
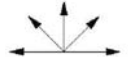
Typical Error Curve



Pulse Values

Pulsar Type		DN 40 ... 125	DN 150
HRI-Mei (Leaflet see LS 8400)		0.01; 0.05; 0.1 or 1 m ³	0.1; 0.5; 1 or 10 m ³
OD 01 (Leaflet see LB 8300)		0.001 m ³	0.01 m ³
OD 03 (Leaflet see LB 8300)		0.01 m ³	0.1 m ³

Installation Requirements

Pipe	horizontal vertical inclined	
Meter head	upwards sideways	

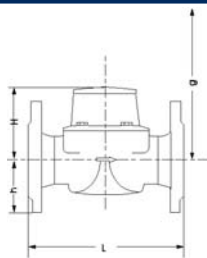
Installation

- Unrestricted straight pipe upstream 3 x DN
- No abrupt restrictions directly downstream of the meter

Materials

Body	Cast iron
Measuring element	Plastic
Rotor	Plastic
We also use the following materials	Brass Stainless steel

Dimension Picture



Available Lengths

Nominal diameter		40	50	65	80	100	125	150
Overall length L WS (DIN / ISO)	mm		270 / 300	300	300 / 350	360 / 350		500
Overall length L WP (DIN / ISO)	mm	220	200	200	225 / 200	250	250	350

Dimensions and Weights PN 16

Nominal diameter			40	50	50	50	65	65	80	80
Dimensions	Overall length	L mm	220	200	270	300	200	300	200	225
	Height	H mm	120	120	120	120	120	120	150	150
		h mm	69	73	73	73	85	85	95	95
	Dismantling height	g mm	200	200	200	200	200	200	270	270
Weights	Meter cpl.	kg	7.5	7.8	9.6	9.9	10.1	12.0	13.8	14.2
	Measuring insert	kg	1.5	1.5	1.5	1.5	1.5	1.5	3.2	3.2
	Body	kg	6.0	6.3	8.1	8.4	8.6	10.5	10.6	11.0

Nominal diameter			80	80	100	100	100	125	150	150
Dimensions	Overall length	L mm	300	350	250	350	360	250	300	500
	Height	H mm	150	150	150	150	150	160	177	177
		h mm	95	95	105	105	105	118	135	135
	Dismantling height	g mm	270	270	270	270	270	280	356	356
Weights	Meter cpl.	kg	16.3	17.7	18.2	20.0	20.2	20.7	35.9	44.2
	Measuring insert	kg	3.2	3.2	3.2	3.2	3.2	3.2	5.9	5.9
	Body	kg	13.1	14.5	15.0	16.8	17.0	17.5	30.0	38.3

Order Information

Description	Overall Length in mm	Order Number
MeiStream DN 40 50° C / PN16	220	50101 A251C B1A1X
MeiStream DN 50 50° C / PN16	200	50101 B251A B1A1X
MeiStream DN 50 50° C / PN16	270	50101 B251F B1A1X
MeiStream DN 50 50° C / PN16	300	50101 B251G B1A1X
MeiStream DN 65 50° C / PN16	200	50101 C351A B1A1X
MeiStream DN 65 50° C / PN16	300	50101 C351G B1A1X
MeiStream DN 80 50° C / PN16	200	50101 D451A B1A1X
MeiStream DN 80 50° C / PN16	225	50101 D451D B1A1X
MeiStream DN 80 50° C / PN16	300	50101 D451G B1A1X
MeiStream DN 80 50° C / PN16	350	50101 D451I B1A1X
MeiStream DN 100 50° C / PN16	250	50101 E551E B1A1X
MeiStream DN 100 50° C / PN16	350	50101 E551I B1A1X
MeiStream DN 100 50° C / PN16	360	50101 E551J B1A1X
MeiStream DN 125 50° C / PN16	250	50101 F651E B1A1X
MeiStream DN 150 50° C / PN16	300	50101 G751G B1A1X
MeiStream DN 150 50° C / PN16	500	50101 G751N B1A1X