

Capstan SENSUS



MANUFACTURED BY : **CAPSTAN METERS (INDIA) LTD.**

AN ISO 9001 : 2008 COMPANY

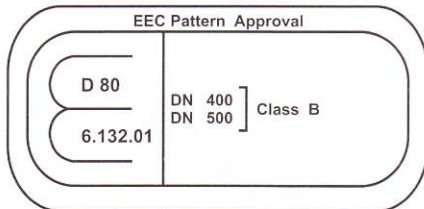
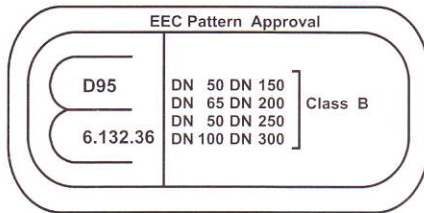
(Registration No.: RQ91/7642)

IN COLLABORATION WITH

SENSUS METERING SYSTEMS, GERMANY

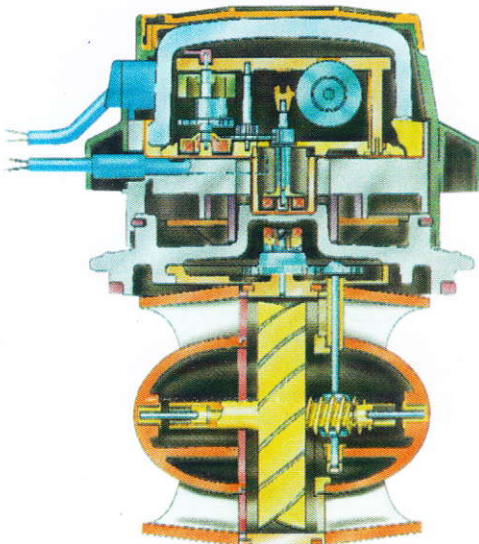


MID Certificate Number
(De-09-MI001-PTB010), Revision 6



Reed RD

Opto OD



Application

- Measurement of high, relatively constant flow volume of water upto 45° C

Special Features

- Meters have MD Approval
- Hermetically Sealed register (IP 68)
- Hydrodynamically balanced rotor (<DN 300)
- Symmetrical calibration adjustment (<DN 300)
- Register may be rotated through 360°
- High overload capability
- Removable measuring element
- Powder coating affords max. corrosion protection
- Not affected by external magnetic fields
- Up to 3 pulsers (1 x OD, 2 x RD) may be fitted without breaking the approval seal

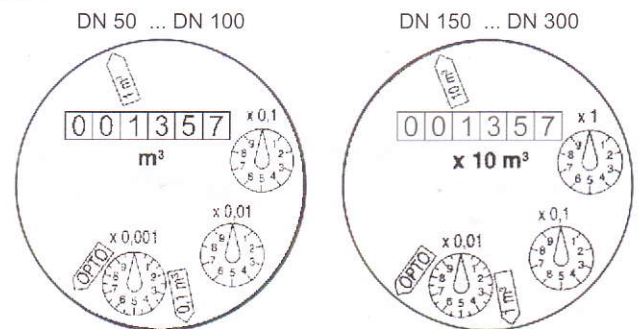
Installation

Pipe	Horizontal Vertical Inclined	
Meter Head	Upwards Sideways	

Installation Requirements

- Unrestricted straight pipe before and after the meter upto 300 mm : 3 x DIA ; from 400 mm : 5 x DIA
 - No abrupt restriction immediately behind the meter.
- Installation of a strainer before the meter is recommended.

Dials



TECHNICAL DATA

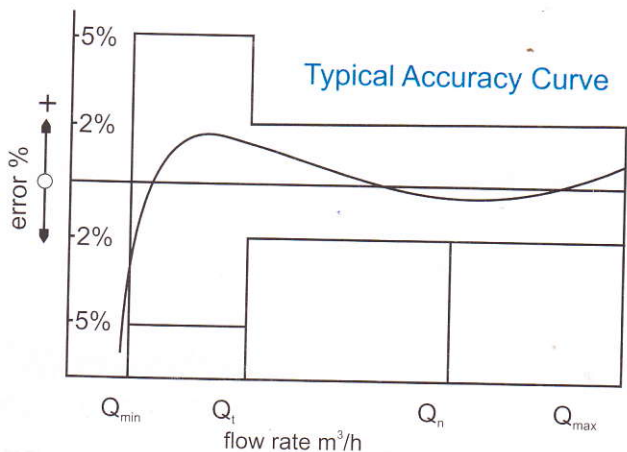
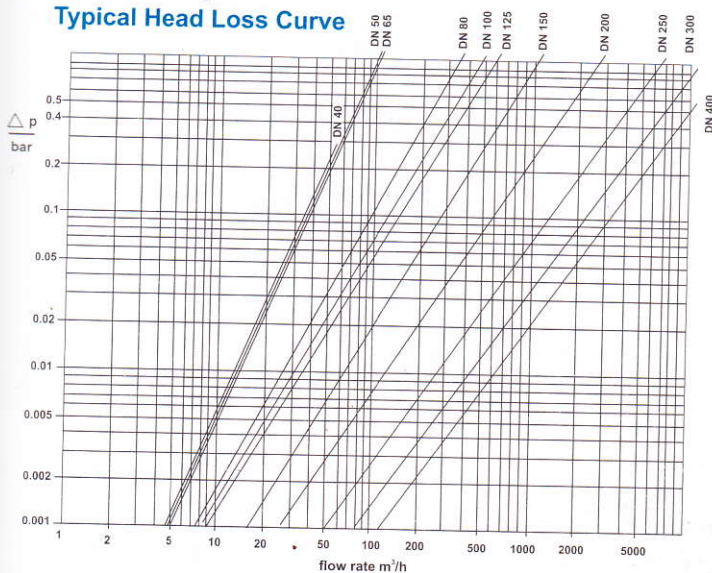
Performance Table as per ISO 4064/1 of 1993 Class B

Size of Meter			mm	50	65	80	100	125	150	200	250	300	400	500	600
Q _{max}	maximum peakflow (few minutes) ± 2%	m ³ / h	30	50	80	120	200	300	500	800	1200	2000	3000	5000	
Q _n	nominal flow ± 2%	m ³ / h	15	25	40	60	100	150	250	400	600	1000	1500	2500	
Q _t	transitional flow ± 2%	m ³ / h	3	5	8	12	20	30	50	80	120	200	300	500	
Q _{min}	minimum flow ± 5%	m ³ / h	0.45	0.75	1.20	1.80	3.00	4.50	7.50	12.00	18.00	30.00	45.00	75	

Performance Table as per ISO 4064/1 of 2005

Size of Meter		mm	50	65	80	100	125	150	200	250	300	400	500	600
Qmax	maximum peak flow (few minutes)	±2% m³/ h	31.25	50	78.75	125	200	312.5	500	787.5	1250	2000	3125	5000
Qn	nominal flow	±2% m³/ h	25	40	63	100	177	250	400	630	1000	1600	2500	4000
Qt	transitional flow	±2% m³/ h	1.27	2.03	3.2	5.08	8.23	12.7	20.32	32	50.8	81.28	127	203.2
Qmin	minimum flow	±5% m³/ h	0.795	1.27	2	3.175	4.35	7.94	12.7	20	31.75	50.8	79.36	127

Typical Head Loss Curve



Q_{max} = maximum peak flow $\pm 2\%$
 Q_n = continuous flow $\pm 2\%$
 Q_t = transitional flow $\pm 2\%$
 Q_{min} = minimum flow $\pm 5\%$



EU-Entwurfsprüfbescheinigung EU Design-examination Certificate

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Anhang II Modul H1 der Richtlinie 2014/32/EU des Europäischen Parlaments und des Rates vom 26. Februar 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die Bereitstellung von Messgeräten auf dem Markt

Annex II Module H1 of the Directive 2014/32/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to instruments available on the market of measuring instruments

Wasserzähler
Water meter

MeiStream

ung: DE-09-M001-PTB010, Revision 6

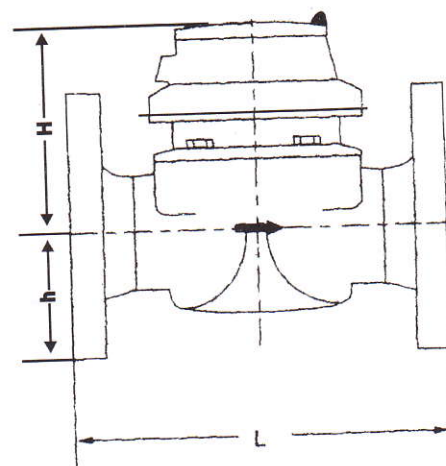
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PTB-1.5-4086147

0102

Dimension Picture



Dimensions & Weights

Dimensions & Weights

Size of Meter		DN	50	65	80	100	125	150	200	250	300	400	500	600
Dimensions	Overall lenght	L mm	200	200	225	250	250	300	350	450	500	600	800	1000
	height	H mm	120	120	150	150	150	177	206	231	256	365	412	470
		h mm	82.5	92.5	100	110	125	142.5	170	197.5	222.5	282.0	335	410
Weights	meter	kg	9.3	10.700	15.00	17.00	20.900	35.600	57.700	87.800	99.600	170	400	550
Test Pressure	PN bar (Max)			16	16	16	16	16	16	16	16	10	10	10

Flanges drilled as per IS : 1538 unless otherwise specified

CAPSTAN METERS (INDIA) LTD.

ISO 9001 : 2000-2008 COMPANY (Registration No.: RQ91/7642)

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