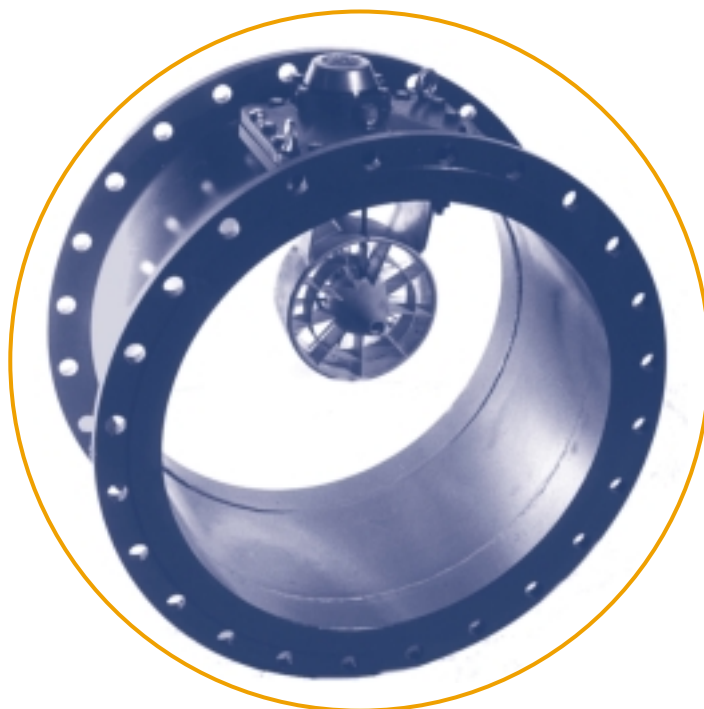




Special Features

- Sealed water-proof register (IP 67)
- Sealed register may be rotated through 360°
- Up to 3 pulsers can be fitted without breaking the meter seal
- Maximum corrosion protection by powder coating
- Not affected by external magnetic fields
- Interchangeable measuring element
- Performance data better than class B

Application

Measurement of high, relatively constant flowrates in long distance pipes

Pattern Approval Sign

D80

6.132.01

Nominal Diameter DN 500

Marking:
Metrological class B
30 °C

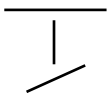
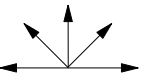
UK & Ireland Enquiries
Sensus Metering Systems
11 The Quadrangle, Abbey Park,
Romsey, Hampshire SO51 9DL UK
T: +44 (0) 1794 526100
F: +44 (0) 1794 526101
Email: info.gb@sensus.com

www.sensus.com

International Enquiries
Sensus Metering Systems GmbH Ludwigshafen
Industriestrasse 16,
67063 Ludwigshafen Germany
T: +49 (0) 621-6904-0
F: +49 (0) 621-6904-1409
Email: info.int@sensus.com

www.sensus.com

Installation

Pipe	horizontal vertical inclined	
Meter head	upwards sideways	

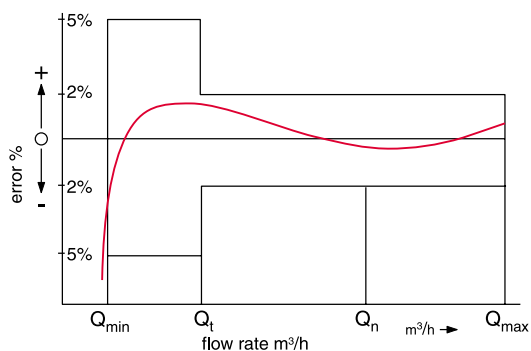
Installation Requirements

- Unrestricted straight pipe in front of the meter 5 x DN
- No abrupt restrictions directly behind the meter

Performance Table

Nominal Diameter	DN	500	600	700	800
Size of meter (acc. to EEC)	Q_n	1 500	---	---	---
Maximum peak flow (few minutes) $\pm 2\%$	Q_{max}	4 500	6 500	9 000	12 000
Continuous flow $\pm 2\%$	Q_n	3 000	3 300	4 500	6 000
Transitional flow $\pm 2\%$	Q_t	60	180	250	320
Minimum flow $\pm 5\%$	Q_{min}	45	100	130	210
Starting flow	m^3/h	20	40	50	60

Typical Accuracy Curve



Q_{max} = maximum peak flow

Q_n = continuous flow

Q_t = transitional flow $\pm 2\%$

Q_{min} = minimum flow $\pm 5\%$

Head loss

DN 500 ... DN 800

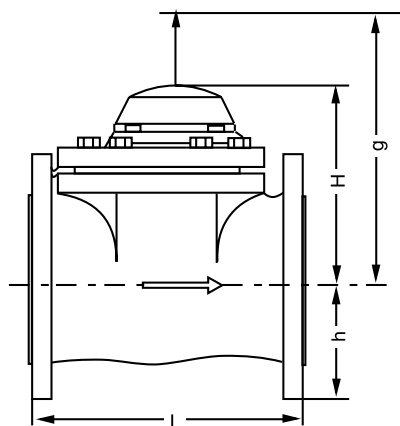
Headloss at $Q_{max} < 0,1$ bar

Pulse Values

Pulser		DN 500 ... DN 800 1 pulse Δ ... m^3
R 01		10 m^3 100 m^3
OP 01		0.10 m^3

Other pulse values on request

Dimension Picture



Dimensions

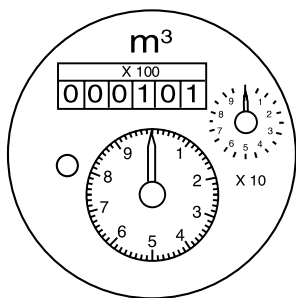
Nominal Diameter		DN	500	600	700	800
Size of meter		Q _n	1500	---	---	---
Overall length	L	mm	500	500	600	600
Height	H	mm	412	470	520	570
	h	mm	353	420	455	512
	g	mm	860	920	970	1020

Other overall lengths on request

Weights

Nominal Diameter		DN	500	600	700	800
Size of meter		Q _n	1500	---	---	---
Meter		kg	256	270	260	270
Measuring element		kg	28	28	28	28
Body		kg	228	242	232	242

Dial



WP QF

Materials

Nominal Diameter	DN 500 and DN 600	DN 700 and DN 800
Body	cast iron	welded steel
Measuring element	plastic	
Rotor	plastic	
We also use the following materials	brass, stainless steel	

Order Text

Quantity:
Specification: WP QF
Nominal Diameter: DN
Size of meter: Q_n
Working temperature: 50 °C
Working pressure: PN 16
Metrological class: A / B
Overall length L: mm
Flange drilling: acc. to DIN 2501, PN 16
Certification: with / without

Order Example

Quantity: 2
Specification: WP QF
Nominal Diameter: DN 500
Size of meter: Q_n 1500 m≥/h
Working temperature: 50 °C
Working pressure: PN 16
Metrological class: B
Overall length L: 500 mm
Flange drilling: acc. to DIN 2501, PN 16