

WATER SMART METER



Remote Reading

SMT 101C

Smart Meter Cold Water
Integration on the Watertech meter SIRIUS

Features

- Single-jet wet type meter for cold water(C)
- Measurement resolution: ≥ 10 Litri
- Measuring range: $> R160$
- Protection IP68
- Battery life up to 15 years
- Communication distance up to 1,2 km
- Real time remote management
- Up to 10 types of alarm, if generated they are communicated in real time
- Compliance with: ETSI EN 300 220,ETSI EN 54-25, Directive 2004/22/EC

Applications

- Smart meter for domestic use
- Industry

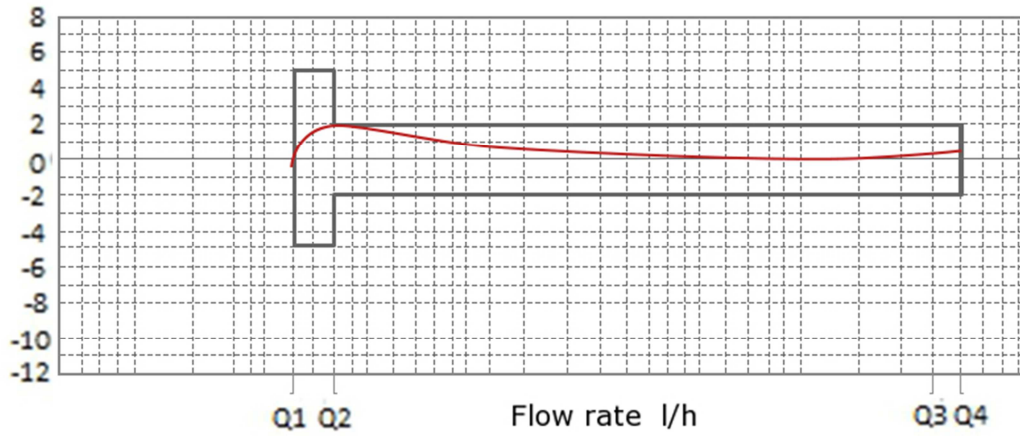
Technical Specifications

Wireless Module	
Communication	Bidirectional
Frequency	169 MHz
Voltage	2,2v-3,6v
Transmission power	15dbm
Sensitivity	Max -129 dbm
Channel space	6,25Khz
Data trasmission mode current	<50mA
Data reception mode current	28mA
Stand by current	14uA
Data rate	300bps
General	
Meter interface	Double Hall Sensor
Battery life	Up to 15 years
Working temperature	-40°C ~ 80°C
Protection	IP-68
Communication distance	Up to 1200 m
Data communication protocol	Proprietary, WMBUS (optional)
Certification	CE
Compliance with	ETSI EN 300 220, ETSI EN 54-25 Directive 2002/21/EC

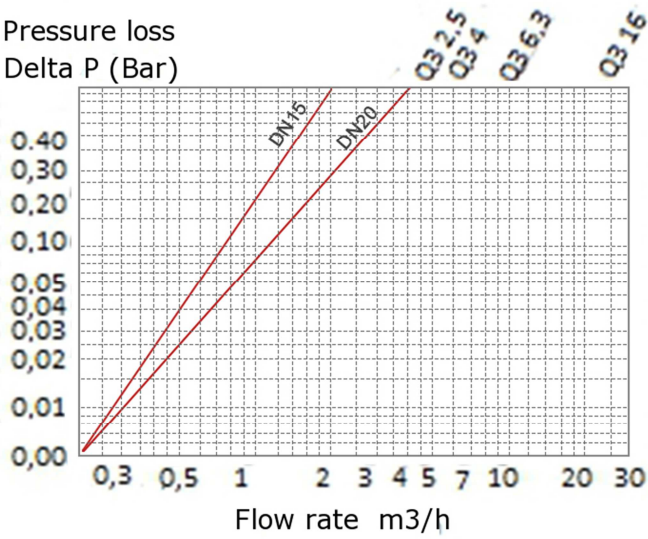
Meter			DN 15mm	DN 20mm
Nominal flow	Q3	m ³ / h	2,5	4,0
Maximum flow	Q4	m ³ / h	3,125	5,0
Minimum flow	Q1	l / h	15,6	25
Transitional flow	Q2	l / h	25	40
Maximum working pressure		bar	16	16
Pressure loss		bar	0,63	0,63
Maximum working temperature		°C	50	50
Maximum register indication		m ³	99.999	99.999

Verification scale interval	1	0,01	0,01
Climatic category		T30/T50	T30/T50
Total length	mm	110-165-170-190	115-130-190
Width	mm	89	89
Total height	mm	92	92

Error %



Pressure loss
Delta P (Bar)



L	H	B	D
110-190	92	89	3/4"-1"

