

LXCY

Ultrasonic Bulk Water Meter

FEATURES

- DN 40 to 300
- Dynamic range up to R 250
- IP 68 suitable for outdoor installations
- Remote meter reading via NB-IoT and RS485, access to AMI network
- Display with error and alarm codes including leakage detection
- Battery lifetime up to 10 years
- U0 / D0, no need for calming sections



GENERAL INFORMATION

LXCY Ultrasonic Bulk Water Meter			
Temperature range	° C	0.1 ... +50	
Operating temperature		-5 ... +55	
Storage temperature		-5 ... +55 (>35 ° C max. 4 weeks)	
Environmental class		O (Outdoors)	
Meter body material		Stainless Steel 304	
Nominal pressure	MAP	bar	16
Power supply		3.6V DC lithium batteries	
Battery lifetime*		Up to 10 years	
Communication Module		NB-IoT, RS485	
Data storage		5 min flow data 31 days, daily data 365 days, monthly data 10 years, 300 recent error datas, 700 event datas.	
Protection class		IP68	
* Depends on local signal strength, configured online frequency and the ambient temperature at the installation.			

TECHNICAL DATA DISPLAY

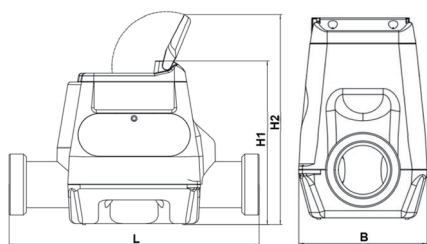
LXCY Ultrasonic Bulk Water Meter	
Display indication	LCD, 9-digit, additional symbols/display counter/unit
Units displayed	Volume (m ³ + 1 decimal places)
Values displayed	Display test - volume - battery lifetime - firmware version - software checksum - flow - current/continuous/historical error - alarm status - high resolution volume - due date - due date volume - reverse volume - display counter - low battery indication - leakage indication - metrological log access - radio signal ON/OFF - alarm indication - and more display loop options to choose from.



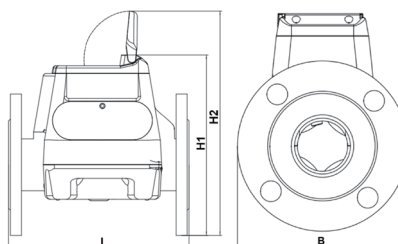
TECHNICAL DATA

Nominal Diameter	DN	mm	40	50	80	100	150	200	250	300
Permanent flow rate	Q_3	m^3/h	25	40	100	160	400	630	1000	1600
Minimum flow rate	Q_1	m^3/h	0.1	0.16	0.4	0.64	1.6	2.52	4	6.4
Dynamic (Q_3/Q_1)	R		250	250	250	250	250	250	250	250
Overload flow rate	Q_4	m^3/h	31.25	50	125	200	500	787.5	1250	2000
Transitional flow rate	Q_2	m^3/h	0.16	0.256	0.64	1.024	2.56	4.032	6.4	10.24
Max. Pressure Loss		bar	0.4	0.25	0.1	0.1	0.1	0.1	0.1	0.1
Overall length	L	mm	245	200	225	250	300	350	450	500
Height	H1	mm	160	190	320	340	400	450	510	560
Height	H2	mm	205	240	410	430	490	540	600	650
Width	B	mm	102	155	200	220	285	340	405	460

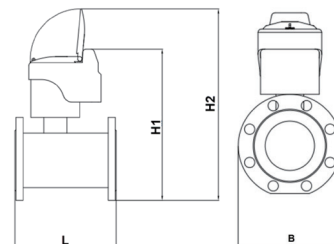
DIMENSION



DN40



DN50-65



DN80-300