

# WATER METERING SOLUTIONS



Mechanical water meters are world-wide installed in hundreds of millions. Unlike electricity meters, there is no easy solution to replace by electronic parts as the power supply must be autonomous and there is no “natural” communications line as the power lines are.

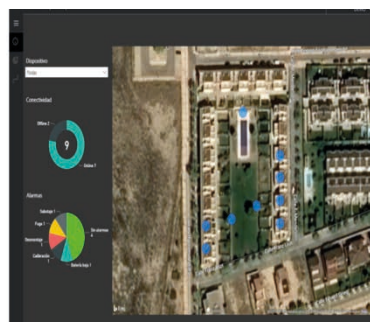
«Water meters are often installed into private premises. So, getting the counter reading is not always posible»

«It is not economically efficient to have dedicated staff to visit customer's premises to get the counters' readings»

«Billing is not up-to-date normally, but always delayed, so business is not adequately financed»

«Water loses, tampering and fraud is not easy (if at all) to detect or prevent»

Amper's Water Meter Solutions provides a complete solution that allows remote reading of water meter and report status to the server platform, where the business intelligence resides.



PRECISE



UNIVERSAL CONNECTIVITY



OPTIMEZED COST



COMPLETE SOLUTION



# CENTRALIZED · PARTICULAR · COLECTIVE AGRICULTURE · OUTDOORS · INDOORS

## PRODUCTS

	WM1011nb	WM1021nb	WM1081nb	WM9091-NB	WM9103	WM9203
<b>SENSING TYPE</b>	Direct	Direct	Direct	Indirect (WMB-NB)	Indirect (NB-IBW*)	Indirect (NB-IBW*)
<b>SENSORS</b>	Magnetic Inductive Resonant	Magnetic Inductive Resonant	Magnetic Inductive Resonant	N.A.	N.A.	N.A.
<b>APPLICATION</b>	Isolated meter "Snap-on"	Isolated meter "Snap-on"	Isolated meter "Snap-on"	WM-Bus NB-IoT Gateway	UNE BUS meters concentrator	UNE BUS meters concentrator
<b>BATTERY</b>	Single use 10-15 years life	Single use 10-15 years life	Single use 10-15 years life	Single use 10-15 years life	External PSU + battery backup	External PSU + battery backup
<b>COMMUNICATIONS</b>	NB-IOT	NB-IOT	NB-IOT	WM-Bus > NB-IOT	NB-IBW* > NB-IOT	NB-IBW* > LTE-M
<b>REQUIRES TELCO FEE</b>	YES (1 for each)	YES (1 for each)	YES (1 for each)	YES (1 for many)	YES (1 for many)	YES (1 for many)
<b>PRICE</b>	Mid	Mid	Mid	Mid	Mid	Mid
<b>AVAILABILITY</b>	IMMEDIATE	IMMEDIATE	IMMEDIATE	IMMEDIATE	ROADMAP	ON DEMAND



\* NB-IBW is a proprietary protocol optimized for very long range and very low power. Uses 868MHz (915MHz) FSK

## SUCCESS STORIES

Spain



Water meters operator  
Since July 2018  
WM1011  
**Over 200K**

Spain



Water meters operator  
Since December 2018  
WM1021  
**Over 200K**

Spain



Water meters manufacturer  
WM2081  
Since 2020  
**Over 100K / year**