AquaFi 40
Wi-Fi Water meter + leakage detection algorithm

APPLICATION

"AquaFi" is an easy solution for monitoring the water consumption and managing it.
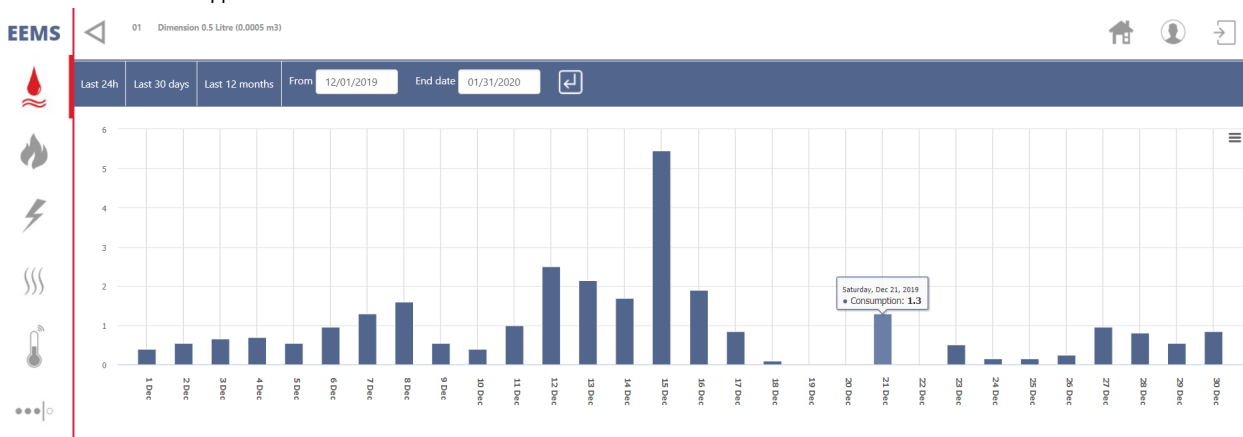
Combining a multijet water meter and strong data concentrator with Wi-Fi interface, "AquaFi" is a perfect solution for wireless utility management, Sub metering and consumption monitoring.

Operating on 2 x AA batteries for over 6 years and benefiting from a large internal memory, "AquaFi" records cumulative value of water consumption on hourly basis and as a "consumption profiler" provides hi-resolution data with or without constant Wi-Fi coverage. Its internal memory is capable of storing up to 22 months of hourly records without Wi-Fi coverage and sync them with the cloud automatically as soon as Wi-Fi is available.

"AquaFi" can be used for both hot and cold water metering. Being made of plastic eliminates the risk of contamination of drinking water with any metallic substance. Syncing data with EEMS web-based application, "AquaFi" presents possibilities like profiling the consumption based on hours of day, automatic calculation of the cost for any report interval, visualizing the consumption on hourly, daily, monthly and yearly basis for easier comparison and understanding the changes in consumption trends. "AquaFi" also can push email notifications if its algorithm detects a possible water leakage based on residential consumption.

Screen Shot from EEMS application

Usages: Water metering, sub metering, Utility management Sub billing, Gardening, Indoor agriculture, Energy assessment, Irrigation, Agricultural products cost and environmental impact management and documentation, Live stock management

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GENERAL SPECIFICATIONS

Type	Multi jet - Cold Water/Hot Water
Qmax	4 m³/h
Qn	2.5m³/h
R	80
Thread size	G 3/4"
Coupler	G ½"
Electronic reading Resolution	1 Litre (0.264172 Gal)
Power supply	2 x AA replaceable batteries
Protection class	IP 54
Compliances	IEEE 802.3, EN 61326-1, EN 61010, EN 12830, FCCID: 2AHMR-ESP12F, CE, ROHS
Battery life*	Up to 6 years
Upload intervals	One hour to once a week (or on demand)
Record intervals	Hourly based cumulative
Interface	Wi-Fi - IEEE 802.3 – 2.4 GHz
Max. capacity of internal storage	16,384 Hours– Automatic cloud sync and replace

AMBIENT CONDITIONS

Operating temperature	°C	4 to +75 °C (39 to +167 °F)

DIMENSIONS

Length	L	mm	210.0 (8.26")
Height (max.)	H	mm	110.0 (4.33")

Made in Canada

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