



Description:

The datalogger is monitoring all events occurred on the 4 water pipes at the same time and send the water volume information via LoRa Radio when detecting a flow variance.

Standards:

EN 60950-1-2006	ROHS
EN 62479-2010	IP21
EN 301 489	
EN 300 220	

Radios characteristics:

LoRa modulation : ISM, 868MHz, 14dBm output power high efficiency PA
 Transceiver Power : -14dBm high efficiency PA
 Receiver sensitivity : down to -137dBm
 Blocking immunity : 89Db

Flowmeters specifications:



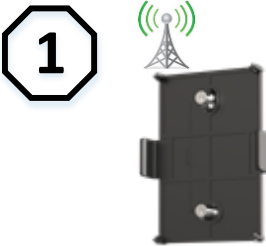



Tube material	: PC	PC
Fluid velocity	: 1-30l/mn	0.5-60 l/min
Fluid temperature range	: 3°C..80°C (TBC)	-25°C..80°C (TBC)
Max pressure	: 1Mpa	1.75 Mpa
Max cable length	: TBD	TBD


Connections Diameter : 1/2" M/M 3/4" M/M

Dimensions:



Installation:

	<p>Use the screws provided to mount the fixation plate solidly to the wall.</p> <p>For optimum operation of the radio system we recommend to install the product far from metallic elements.</p>
	<p>Connect the flowmeter to the pipe (respect the direction indicated on the flowmeter).</p> <p>Connect the flowmeters cables.</p>
	<p>Insert the batteries (2 x AA).</p> <p>To ensure that the products starts working, press the push button then the LED lights up green during 2 s.</p>
	<p>Put the cover.</p>

	<p>5</p> <p>Place the Datalogger on the fixation plate.</p>
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Installation:

Power supply	: 2 batteries 1V5 AA.
Sleep current	: < 150µA
Batteries life	: 2 years (with lithium AA – 2500mAh)

Wiring:

The cables are connected to the flowmeters.
The flowmeter are not polarised.

