

DAE PVM-50

Positive Displacement, Plastic Water Meter with 1/2" NPT Couplings, Measuring in Gallons

[Specification]

Model	PVM-50
Type	1/2" Plastic Positive Displacement Water Meter, Measuring in Gallons + Coupling
Unit	US Gallon, GPM
Accuracy	+/-1.5% within normal flow as per AWWA Standard
Certification	Conforms to both AWWA C700 and ISO 4064 Class C
Max Water Temperature	122°F (50°C)
Couplings	Included
Item dimension	4.5" length, 3.5" diameter. weight: 1 lbs. 1 ounce.
Meter Body	Plastic
Size	Length without couplings: 4.5 inches Length with couplings: 7.8 inches
Flow Rate	Safe Maximum Flow Rate: 20 GPM (4.5 m ³ /h) Maximum Continuous Flow Rate: 10 GPM (2.3 m ³ /h) Minimum Flow Rate: 1/4 GPM (0.06 m ³ /h)
Pressure Drop	1.83 psi @ 5 GPM, 7.179 psi @ 10 GPM

[Feature]

- Can be installed in any position, vertically or horizontally, dial facing upward or downward, water flowing downward or upward. With internal non-return valve.
- Maximum Reading: 9,999,999.9 Gallons. The last digit is one tenth gallons (*0.1 gallons). The reading in 2nd picture of the listing is 76.3 gallons.
- Suitable for residential water metering, for metering the water consumption in your apartments, your irrigation water (which can save you in sewer costs in some areas)
- The DAE meters have been tested by our QC inspectors in the production line to certify their quality. Therefore, the reading will not be zero.
- The Max. working pressure is 232 psi, more than the requirement from AWWA standard 150 psi.
- In order to install the DAE 1/2" water meter with the garden hose at both ends, you will need 2 connectors (3/4" female GHT, 1/2" female NPT), available in Amazon (www.amazon.com/dp/B07VZYF1FL).
- 2 years warranty from the seller.

[Remote Reading Solutions]

- Option for cloud metering available with DAE CC2030 Gateway. Please refer to 6th picture. DAE CC2030 gateway will get the water consumptions from DAE AMR (Auto Meter Reading Module

with RS485 communication for 16 water meters with Pulse Output) or DAE AMR130 (for 1 meter) and send them to the cloud (DAE server) through Ethernet. With PC or cell phone or tablet, the building owners or property managers will therefore be able to get access to real time data as well as the monthly water consumption and billing reports to their tenants. If there is abnormal usage (ex. Broken piping), an email alert will be sent to your cell phone automatically.

- For PVM-50P, ready for use with CO-10 KIT or CO-10 Electronic Pulse Counter - An inexpensive remote reading solution Please refer to 5th picture.
- Wireless remote reading available with DAE WSC500 RF converters. Please refer to 7th picture.



[Picture 1]



[Picture 2]



[Picture 3]



[Picture 4]

Remote Reading with Pulse Counter

An Inexpensive Solution

Note: Only meters with pulse output like AS200U-75P are eligible to be connected to CO-10.

Electronic Pulse Counter CO-10



info@daecontrols.com, (248) 635 3708, www.daecontrols.com

[Picture 5]

Cloud System Architecture

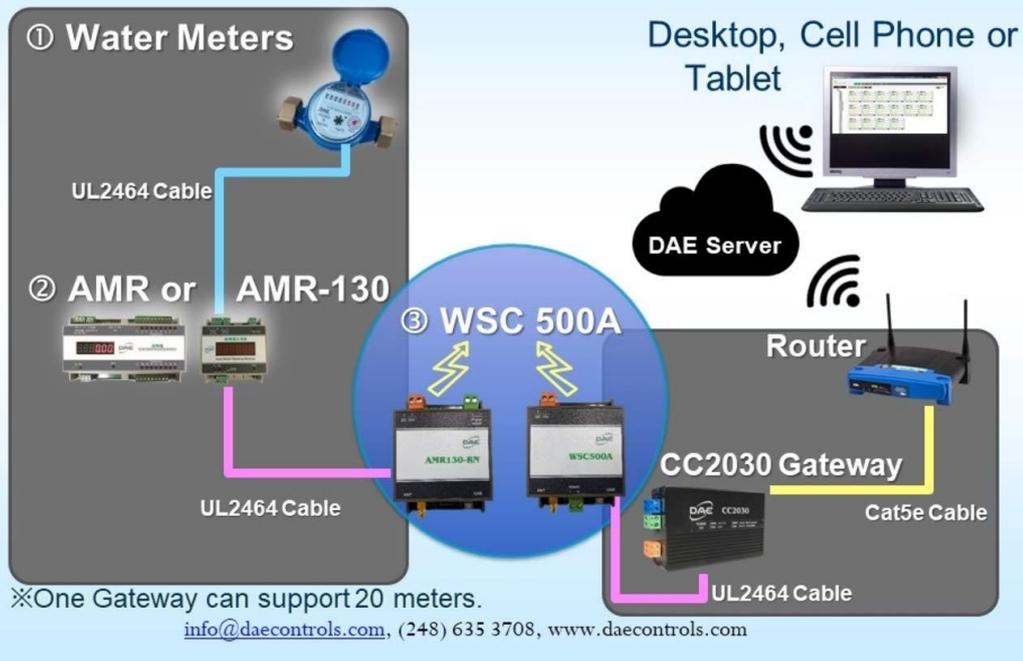
Water Meters



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[Picture 6]

Wireless Cloud System Architecture - Water



[Picture 7]