

# Installation & Instruction Manual



## WM-1400H & WM-1400C Hot or Cold Water Meter

Dear Valued Customer,

We are pleased that you chose to buy one of our products and want you to be just as pleased with it.

To be sure that you are 100% satisfied with our products, we provide technical and sales support Monday through Friday, 8:00 am to 4:30 pm, eastern time at (215) 788-8485. In addition, you may also reach us via email at [info@H2ODegree.com](mailto:info@H2ODegree.com).

Before installing your new H2O Degree product, please read the information on the following pages carefully.

We believe that you will find the H2O Degree water meters easy to install and use for monitoring and managing your water and utility consumption.

Be sure to forward this manual to the owner after installation is complete so that they may use it as a reference guide.

Thank you.

H2O Degree

# Introduction

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These instructions detail the installation of the H2O Degree WM1400H (Hot) or WM1400C (Cold) Water Meter. Meters are available in size 3/4".

Your H2O Degree package includes (1) WM1400H (hot) or (1) WM1400C (cold) 3/4" water meter.

## H2O Degree WM1400H/WM1400C Water Meter

The WM1400H & WM1400C water meter is a durable, highly accurate meter that is equipped with a pulse output in a compact design.

The polymer composite material consists of a 50% nylon blend that has high strength with good rigidity and is designed for horizontal installations only.

The magnetic, low torque register measures in gallons. Register is also magnet resistant and dry to prevent moisture intrusion. Finger strainer is installed to protect the meter from any incoming debris. Rugged design provides for stable accuracy in aggressive environments.

Meter is California (CTEP) approved and National (NTEP) approved. Also meets NSF-61-G and AWWA C712-10.

The standard pulse output allows for interface with submetering, leak detection and utility management systems.



# Pre-Installation Information

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## Pre-Installation Information

Before beginning the installation of the H2O Degree WM-1400H (hot) or WM-1400C (cold) water meter validate that the meter is the proper size for the application. Also verify that the meter is the proper type for the installation (hot or cold).

The chart below outlines the various models and their appropriate application. If the model you receive does not match the applicable application contact factory BEFORE installing.

Model	Descripton/Application
WM1400C	WM1400C 3/4" Cold Water Meter
WM1400H	WM1400H 3/4" Hot Water Meter

# Pre-Installation Information

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Prior to installing the WM1400 water meter the following steps must be followed:

1. Flush the service line upstream of the meter to remove any dirt or debris.
2. A ball valve should be installed for easy meter change out (not included with meter package).
3. Confirm water flow direction with arrow on meter body.
4. Close the water supply valve.

You are now ready to proceed with installation of the water meter.

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# Meter Installation

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1. Place the meter in the water line. Arrows indicate direction of the flow.

## **NOTE: UPRIGHT HORIZONTAL INSTALLATION ONLY**

2. Tighten only as required to seat. Do not overtighten.
  3. Slowly & carefully release air from line.  
*NOTE: Opening valve too quickly can damage the meter.*
    - a. Open the upstream valve slowly allowing air to slowly escape.
    - b. Open a faucet to allow air to escape slowly.
    - c. Close the faucet.
  4. Test for leaks. Please read and understand manufacturer's warranty and limited liabilities for leaks. For warranty information contact factory.
  5. Test meter functionality. Open a faucet to allow water flow through the meter and validate functionality.
  6. Connect any pulse outputs. Open a faucet to allow water flow through the meter and validate pulse output.
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# Five Year Limited Warranty

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Subject to the exclusions listed below, H2O Degree will either repair or replace (at its option) any product that it manufactures and which contains a defect in material or workmanship.

The following exclusions apply:

1. This Limited Warranty is effective for the time periods outlined in the chart to the left. The warranty is valid from the date of manufacture when installed in accordance with manufacturer's instructions by qualified personnel.
2. H2O Degree must be notified of the defect within ninety (90) days after the defect becomes apparent or known.
3. Buyer's remedies shall be limited to repair or replacement of the product or component which failed to conform to H2O Degree's express warranty set forth above.
4. Buyer shall be responsible for all freight costs and shall bear all risk of loss or damage to returned goods while in transit.
5. This Limited Warranty does not cover installation, removal re-installation, or labor costs, and excludes normal wear and tear. Buyer shall provide labor for the removal of the defective component or item and installation of its replacement at no charge to H2O Degree. This Limited Warranty does not cover any product if: (i) a product is altered or modified from its original manufactured condition, (ii) any repairs, alterations or other work has been performed by Buyer or others on such item, other than work performed with H2O Degree's authorization and according to its approved procedures; (iii) the alleged defect is a result of abuse, misuse, improper maintenance, improper installation, accident or the negligence of any party; (iv) damaged as a result of events beyond H2O Degree's control or other force majeure events or (v) used in conjunction with equipment, components, accessories, parts or materials not supplied or approved by H2O Degree.
6. This Limited Warranty is limited to the obligation to repair and replace the manufactured product. This is the sole and exclusive remedy for breach of any warranty. IN NO EVENT SHALL H2O DEGREE BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES (INCLUDING ANY DAMAGE FOR LOST PROFITS) ARISING OUT OF OR IN CONNECTION WITH FURNISHING OF PRODUCTS, PARTS OR SERVICES, OR THE PERFORMANCE, USE OF, OR INABILITY TO USE ANY PRODUCTS, PARTS OR SERVICES, SALE OF OR OTHERWISE, WHETHER BASED IN CONTRACT, WARRANTY, TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE, OR ANY OTHER LEGAL OR EQUITABLE THEORY.
7. EXCEPT AS EXPRESSLY PROVIDED HEREIN, H2O DEGREE MAKES NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED WITH RESPECT WITH RESPECT TO ANY PRODUCTS, PARTS OR SERVICES PROVIDED BY H2O DEGREE INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PRODUCTS OR COMPONENTS DISTRIBUTED, BUT NOT MANUFACTURED, BY H2O DEGREE ARE NOT WARRANTED BY H2O DEGREE AND BUYER MUST INSTEAD RELY ON THE REPRESENTATIONS AND WARRANTIES, IF ANY, PROVIDED DIRECTLY TO THE BUYER BY THE MANUFACTURER OF SUCH PRODUCT OR COMPONENT.

## Questions?

***Please contact H2O Degree BEFORE uninstalling, removing or returning any product. Many times we can assist with issues in the field without having to return the item. For technical or sales support call H2O Degree at (215) 788-8485 or e-mail [info@h2odegree.com](mailto:info@h2odegree.com).***



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