



The
**MONSTER
METER™**

USER GUIDE

Item#: GK MM250

OVERVIEW

Thank you for using The Monster Meter™. Please read this guide before using the product and keep it handy for future reference. The Monster Meter™ is designed for use with the In-Line Pitotless Nozzle™ to enable the user to obtain and store instantaneous flow-rate readings. It is water-resistant and rugged to survive normal rigors of on the job use.

It is designed for use with the following Hose Monster devices:

INPN1.5

INPN1.125

INPN1.75

INPN2.0

Key features:

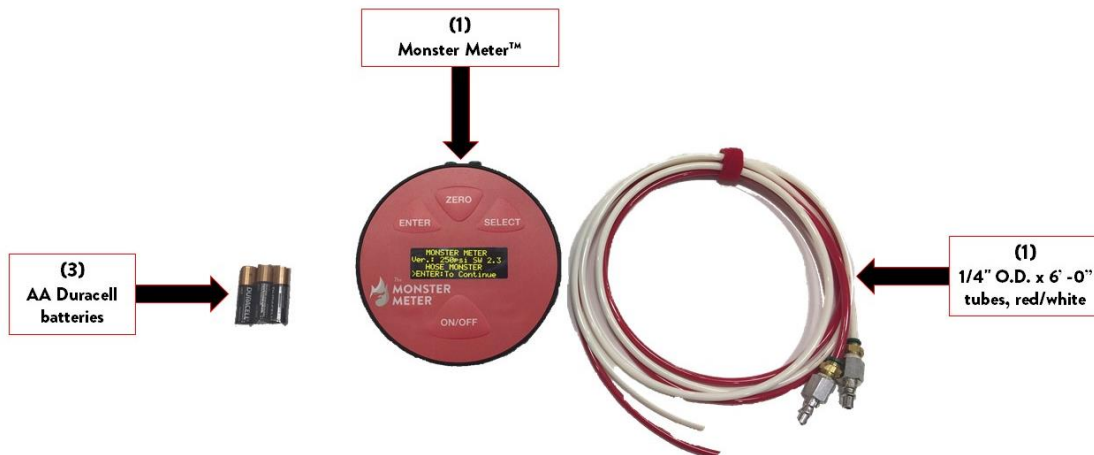
- Displays real-time flow-rate, high/low/differential pressures
- Precise – 0.3% of read
- Saves 256 time-stamped flow tests for future reference
- Water-resistant
- Low battery indicator
- Lanyard to strategically position the MM for viewing

COMPONENTS INCLUDED

1 - Monster Meter

2 - 1/4" O.D. x 6' -0" tubes, red/white, 290 psi rated

3 - AA Duracell batteries (Alkaline Zinc-Manganese Dioxide, Coppertop)



Please note - This User's Guide corresponds with the In-Line Pitotless Nozzle User's Guide. Be sure to read both. Refer to SAFETY below before flowing.

OPERATION - INITIALIZATION

a) Install batteries:

The new Monster Meter includes three 1.5-volt AA alkaline batteries.

- Lay the unit face down on a dry, flat surface.
- Remove the two Philips screws from the battery cover, remove the battery cover.
- Insert the negative (-) end of the battery first, compressing the spring, then push down on the positive (+) end. Verify that the (+) end of the battery goes in the (+) end of the battery compartment. Incorrect polarity will damage the electronics.
- Verify that the battery cover gasket is installed in the housing and in good condition.
- Replace battery cover and tighten battery cover screws fully.



b) Press the 'ON/OFF' button. The MAIN MENU display shows the version number and max psi range.

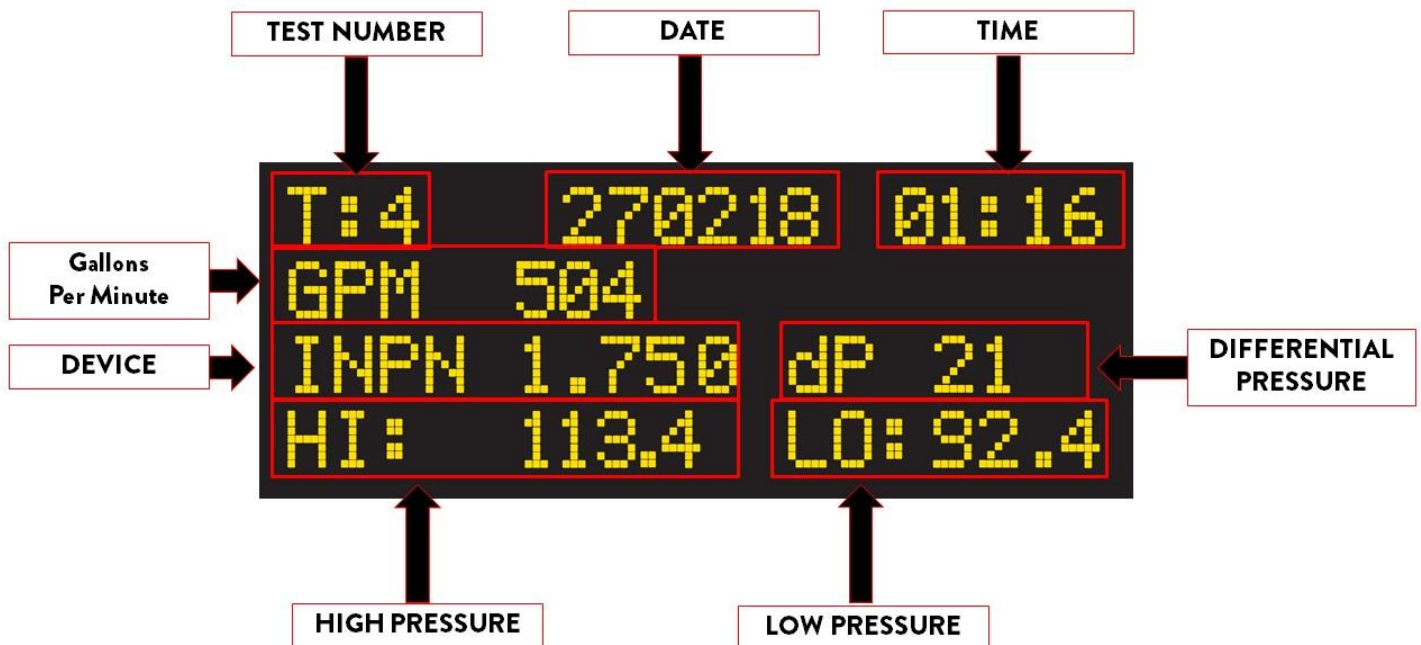
- To set Date and Time:
 1. Press 'SELECT' - the Maintenance screen displays.
 2. Press 'ZERO' - follow prompts to enter date and time. The last step displays the MAIN MENU again.
- To select the flow device:
 1. Press 'ENTER'
 2. Press 'SELECT'- to scroll through devices.
 3. Press 'ENTER' to select

OPERATION – TESTING

- Press the 'ON/OFF' button
- Press 'ENTER' to continue
- Press 'SELECT' to choose different flow device, or 'ENTER' to continue.
- *Meter Zeroing* Screen. The Monster Meter verifies there is no pressure connected to it. Press 'ENTER' to continue.
- *Input Pressure* Screen. HI and LO pressure reading displayed. Press 'ZERO' to zero-out input pressures, or 'ENTER' to continue
- *Connect Input Test Pressure* Screen. Attached red/white tube set to HI/LO ports, respectively. Make sure all air has been purged from tube set prior to connecting to Monster Meter. Press 'ENTER' to continue.

The Monster Meter is ready to measure flow rates.

TEST DISPLAY SCREEN



To save and store a test results:

- Press 'SELECT' button. The letter 'H' will appear in the lower right corner of display. The test result is being held, stable.
- Press 'SELECT' button again. Press 'SELECT' to save the result, 'ZERO' to dismiss.

To recall saved test results:

- From Main Menu, press 'Select' button

- Press 'ENTER' button, to recall data.
- To scroll saved test results, press 'SELECT' to advance and 'ZERO' to retreat.

STORAGE

After each use,

- a) Remove the tube set.
- b) Position upside-down to allow water to drain from the HI/LO manifold.
- c) Dry the MM off with soft cloth or towel.
- d) Do not subject to freezing
- e) If to be stored for an extended period, remove the batteries. Real Time clock will need to be reset upon battery reinstallation.

MAINTENANCE

To remove/ replace batteries:

- Lay the unit face down on a dry, flat surface.
- Remove the two Philips screws from the battery cover, remove the battery cover.
- Remove the (+) side of the old battery first, then the (-) side.
- Insert the negative (-) end of the new battery first, compressing the spring, then push down on the positive (+) end. Verify that the (+) end of the battery goes in the (+) end of the battery compartment. Incorrect polarity will damage the electronics.
- Verify that the battery cover gasket is installed in the housing and in good condition.
- Replace battery cover and tighten battery cover screws fully.

Calibration:

To achieve optimal performance, it is recommended that the Monster Meter be calibrated on an annual basis. This service will ensure the Monster Meter is functioning as it was designed and producing accurate test results. Please contact our office for a Return Authorization and further instructions.

TECHNICAL INFORMATION

Performance and Accuracy

- 0 to 250 psi operating pressure; +/- 0.3% Read.
- Vacuum: -13Hg to 0 psi
- Operating Temperature: 32 to 131 °F
- Display -OLED with Polarizer. Wide angle readability in dark and bright sunlight conditions.

Dimensions and Weight

Weight: 26.8 oz. (760 gm)
Dimensions: 6.12" (155.5mm) diameter x 3.05" (77.5mm)

WARRANTY

For all sizes of: Hose Monster®, The Little Hose Monster™, Big Boy Hose Monster™, Pitotless Nozzle™, In-line Pitotless Nozzle™, Dechlor Demon™, Monster Tester™ and Monster Meter™.

These products are warranted against manufacturing defects for a period of **two years** from the date of sale.

Specific warranty exclusions include, but not limited to:

- Batteries
- Pitots / Refurbished Pitots
- Normal or excessive wear and tear.
- Products not properly maintained, operated, installed or used in an application not approved.
- Products on which the labels, markings, nameplates, etc., have been tampered with.
- Products which have broken factory seals or have been tampered with shall void the warranty.
- Products that have been changed, altered or modified in any fashion, shall void the warranty.

This warranty applies only to the HFP manufactured products listed above. All other products fall under their original manufacturer's warranty, if applicable. The unit will be repaired, replaced, or partially refunded at the manufacturer's discretion. If found defective, contact The Hose Monster Company at **888-202-9987** for the procedure and Return Authorization (RA).

The manufacturer and its distributors are not responsible for any damage or injury caused by the use of this product. The use of this product involves heavy water flow which can be damaging and dangerous. Please work safely and direct water discharge away from any people or property that may be affected.

SAFETY

CAUTION: ALL CONNECTIONS IN THIS ASSEMBLY MUST BE ATTACHED SECURELY. DIRECT WATER DISCHARGE AWAY FROM ANY PEOPLE OR PROPERTY THAT MAY BE AFFECTED. DO NOT ATTACH THE DEVICE TO THE END OF A HOSE UNLESS A *HOSE MONSTER®* IS ATTACHED TO IT OR UNLESS THE HOSE IS PROPERLY SECURED. THE USE OF THIS PRODUCT INVOLVES HEAVY WATER FLOW WHICH CAN RESULT IN SERIOUS INJURY OR DEATH IF USED IMPROPERLY. PRODUCTS THAT HAVE BEEN ALTERED OR MODIFIED IN ANY WAY POSE A SAFETY RISK AND WILL VOID THE MANUFACTURER'S WARRANTY. THE MANUFACTURER AND ITS DISTRIBUTORS ARE NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY CAUSED BY THE USE OF THIS PRODUCT.

For questions or comments please call The Hose Monster Company at **888-202-9987** or email service@flowtest.com.

© 2018 The Hose Monster Company. All rights reserved.

Version: UG-MM250.2018.03.12