

bluebot™

Clamp-On Smart Water Meter + App

One size fits all data capture device

Compatible with 3/4" - 2" PEX, PE, Copper L & M, PVC SCH 40 & 80, Galvanized. Special orders up to 4" are available.
Additional calibrations coming soon.


[Sales Request](#)

[Demo Program](#)



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ME FOR DETAILED
EXPLAINER VIDEOS!



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(831) 275-2715

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FLOW METER DIMENSIONS



LENGTH
10.8cm | 4.25"

WIDTH
12cm | 4.75"

HEIGHT
5.7cm | 2.25"

WEIGHT (LOOSE)
0.36kg | 0.8lbs

CLAMPS (OPEN)
13.3cm | 5.25"

CLAMPS (CLOSED)
5.7cm | 2.25"

INSTALLATION

TIME TO INSTALL
5-10 MINUTES

INSTALL ORIENTATION
UNIVERSAL (HORIZONTAL, VERTICAL)

METHOD OF INSTALL
CLAMP ON (NO PIPE CUTTING REQUIRED)

3-STEP INSTALL PROCESS
SURVEY -> CONNECT -> CLAMP

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PACKAGE DIMENSIONS



LENGTH
25cm | 9.25"

WIDTH
16.5cm | 6.5"


HEIGHT
9.5cm | 3.75"

WEIGHT
0.76kg | 1.6lbs

BOX CONTENTS

Each package includes a device and setup kit with the following:

- | | |
|-------------------------------------|---------------------------------|
| 1x bluebot smart home water meter | 1x Set of plastic clamp holders |
| 1x 10' USB-C cable with Type-A plug | 1x Sand paper disc |
| 5x Ultrasonic gel replacement pads | 1x Microfiber cleaning towel |

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GENERAL

MATERIAL COMPOSITION

The device is an injection molded plastic shell with CNC acrylic case housing the piezoelectric sensor train and AI driven servo DC motor. Additional components include gel pads made from silicon, electronics made from fiberglass, copper, brass, steel and crystal.

MEASURED FLUID

WATER, GREYWATER

ENCLOSURE RATING

IP67 / NEMA 6

CERTIFICATION



OPERATING TEMPERATURE RANGE

0° C - 50° C | 32° F TO 122° F

PATENT

US 105510231

FLOW TECHNOLOGY

TRANSIT-TIME ULTRASONIC

INDOOR / OUTDOOR USE

Water, splash, dust and UV resistant with conformal waterproof coated electronics as a best practice.

INPUT POWER

POWER OPERATION

DEDICATED (NO BATTERIES REQUIRED)

CABLE LENGTH

3 METERS | 10 FEET

PLUG TYPE

STANDARD USA PLUG

PLUG INTO UNIT

USB-C

INPUT VOLTAGE

5V, 1A

CABLE COLOR

BLACK

CONNECTIVITY

CONNECTIVITY

Wi-Fi ([RF COMING SOON, PREORDER NOW!](#))

HARDWARE REQUIRED

iOS DEVICE, ANDROID DEVICE

Wi-Fi RANGE

10 METERS | 30 FEET

RECOMMENDED Wi-Fi BOOSTERS

NETGEAR, EERO, UBIQUITY

Wi-Fi BOOSTER LOCATIONS

BASEMENT, CEILING, DISTANCES OVER 20 FEET

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COMPATIBILITY

PIPE SIZE RANGE

3/4", 1", 1.25", 1.5", 2" (UP TO 4" AVAILABLE)

LARGER PIPE SIZES

2.5", 3", 4" (CUSTOM ORDER ONLY)

PIPE TYPE COMPATIBILITY

COPPER L & M, PVC SCH 40 & 80, GALVANIZED, PEX, PE

ACCURACY

ACCURACY

ACCURACY: +/- 1.0% TO 2.0% OF FLOW READING (PIPE SIZE DEPENDENT)

REPEATABILITY

+/- 0.2% OF FLOW READING

HIGH FLOW CAPABILITY

UNLIMITED (MAX FLOW FOR PIPE SIZE)

RESOLUTION

.000000 (SIX DECIMAL POINTS)

LOW FLOW CAPABILITY

0.2GPM TO 0.5GPM

CALIBRATION

FACTORY CALIBRATION

EACH UNIT IS CALIBRATED ON A CERTIFIED PRIMARY FLOW STANDARD OVER ITS ENTIRE FLOW RANGE WITH A FOUR-POINT FLOW TEST IN OUR STATE-OF-THE-ART FLOW METROLOGY LABORATORY (CALIBRATION CERTIFICATE AVAILABLE ON REQUEST).

K-FACTOR (APP CALIBRATION TOOL)

SET EXPECTED VS ACTUAL WATER FLOW USAGE

ZERO POINT (APP CALIBRATION TOOL)

REMOVE ULTRASONIC NOISE (IF PRESENT)

ANY PIPE SIZE OR TYPE - ONE SOLUTION



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