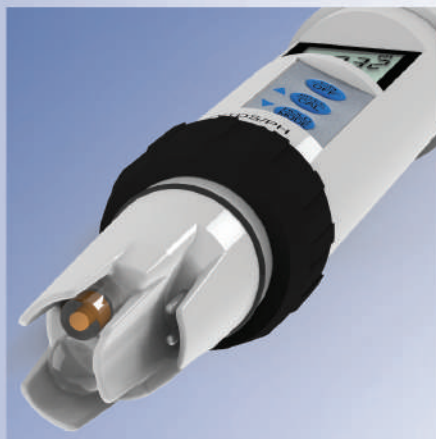


- Industrial • Leak Detector • Pool / Spa • Water Treatment • Window Cleaning / Carwash •
- Aquaculture • Aquarium • Drinking Water • Food & Beverage • Food Service • Hydroponics •



HM DIGITAL GENERAL CATALOG

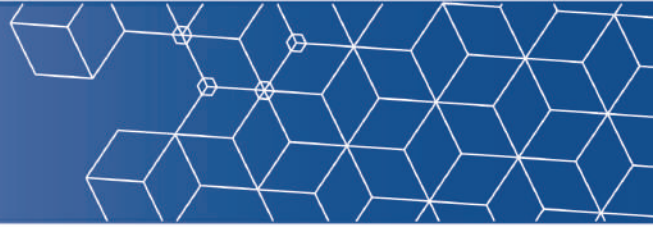
2018



HMDigital.com
TDSMETER.com
Gimisg.com

SEOUL, SOUTH KOREA

About HM Digital



Since 1987, HM Digital has been your premier source for the finest quality waster testing Instrumentation supplier.

From our facilities in Seoul, Los Angeles, China and India, we have the capability to ship anywhere in the world and service the entire globe. Our handheld meters, in-line monitors, controllers, sensors and calibrations solutions are used in a myriad of applications. They are superior in quality, features and performance, yet made available at the very economical cost.

HM Digital takes pride not only in quality of our products, but also in our commitment to customer service and the shortest lead times in the industry.

With HM Digital Instruments, you can find the right solution for your application.

WHY HM DIGITAL?

Market leader

With 30 years of expertise in the field of instrumentation industry, HM Digital has been the most popular instrumentation company globally. Our renowned TDS-3 has been the first choice of TDS meter for decades and many more to come.

Cost Effective Instruments

HM Digital's goal is to provide the maximum testing experience to our customers at a very economical pricing. The cost effectiveness of HM Digital meters is unmatched in the industry.

Customer Service

Customer service is one of HM Digital's fortes. Our dedicated staff will listen to our customers and provide the optimal solution to the problems. We maintain the warranty service to all of our products and prioritize in customer's need.

APPLICATIONS



Pools / Spas



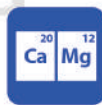
Filter Performance
(RO, DI systems)



Hydroponics



Commercial / Industrial



Hardness (and water softeners)



Colloidal Silver Water



Beverage / Coffee



Aquariums / Aquaculture



Health Care



Car Wash



Food Service



Window Cleaning

Product Highlight

COM-300 See page 9

The COM-300 is a professional grade level pH/EC/TDS/Temp meter ideal for all water quality testing, hydroponics, water purification applications, wastewater regulation, aquaculture, colloidal silver, labs & scientific testing, pools & spas, ecology testing, boilers & cooling towers, water treatment and more.

HM-200 See page 12

The HM-200 is a versatile portable pH/EC/TDS/Temp monitor ideal for all water quality testing, hydroponics, water purification applications, wastewater regulation, aquaculture, colloidal silver, labs & scientific testing, pools & spas, ecology testing, boilers & cooling towers, water treatment and more.

BTR-1000 Coffee

See page 6

The BTR-1000 Coffee is one of popular HM Digital's Smart Digital Refractometer with Bluetooth technology. Offers measurement in Brix and TDS in two decimal points.

SB-2000PRO

See page 4

SB-2000PRO is ergonomically designed to provide best measuring experience. Its Auto-ON feature provides an easy measuring experience. SB-2000PRO is very popular among restaurant owners and consumers.

PH-80

See page 8

The PH-80 has proven to be the MOST reliable pH meter in its price range. Its application extends from hydroponics to horticulture, pools & spas, aquariums & reef tanks, water ionizers, drinking water and more.

Salinity (salt) Meters



SB-I500PRO

Perfect salinity meter suitable for industrial, commercial and residential purposes. Capable of displaying salinity in % and mg of sodium in 100ml of water.



Water resistant & powered by common two AA batteries



Removable/ Replaceable sensor.



Spoon-shaped sensor.



SB-500

SB-500 is a fun and simple salinity meter that has an unique power-on mechanism is the first in the field. A gentle tap to the main body will switch ON and OFF.



Water resistant cap with an O-ring for meter's protection in various environment.



SB-500 is equipped with tap detecting sensor. Turn the meter ON/OFF with light "tap" allowing easy measuring experience and simple design.

SB-2000PRO

The product that made HMDigital a household name. SB-2000PRO offers accurate measurement with all new simple ergonomic design.



SB-2000PRO has an compact sensor. Easy to use and wash. Durable for many uses.



It is powered by easy to replace batteries.

SPECIFICATION	SB-I500PRO	SB-500	SB-2000PRO
RANGE	0.01%~10.0% (1% = 10ppt = 10,000ppm in 0.5 factor)	0.01 ~ 5.0%	0.01 ~ 10.0%
TEMP. RANGE	1 - 99°C / 33 - 210°F (ATC Range)	1 - 99°C / 33 - 210°F (ATC Range)	1 - 99°C / 33 - 210°F (ATC Range)
ATC	Yes	Yes	Yes
ACCURACY	Temp: ± 1°C / 33°F ± 0.1% up to 2%; ± 0.2% up to 3%; ± 0.3% up to 4%, etc.	0.1% ~ 2.0% ± 0.1% 2.1% ~ 3.0% ± 0.2% 3.1% ~ 5.0% ± 0.3%	± 0.1 - 0.5%
RESOLUTION	0.1°C/F / 0.01% (0.01% - 3.0%), 0.1% (3.0% - 10.0%)	0.1%	0.1%
ELECTRODE	Platinum Sensor	Platinum Sensor	Platinum Sensor
CALIBRATION	Factory calibrated	Factory calibrated	Factory calibrated
POWER SOURCE	2 x AAA batteries	1 x 3V button cell	2 x AAA batteries
DIMENSIONS	21.4 x 3.4 x 3.4 cm (8 x 1 x 1 in)	16.8 x 3.2 x 1.8 cm (6.6 x 1.3 x 0.4 in)	17.1 x 2.5 x 2.45 cm (7 x 1 x 1 in)
WEIGHT	81 g / 2.9 oz (with batteries),	42 g / 1.5 oz (with batteries)	66 g / 2.3 oz (with batteries)



Timers & Thermometers

TIMERS

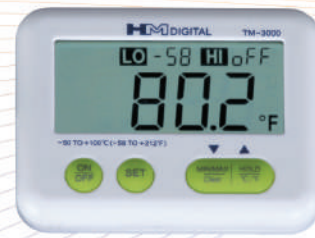
TMR-2000



TMR-500



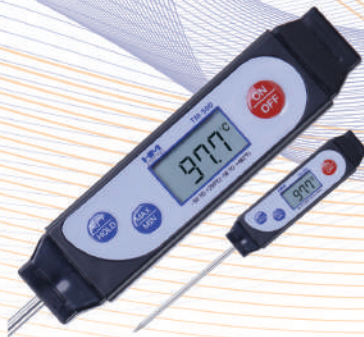
TM-3000



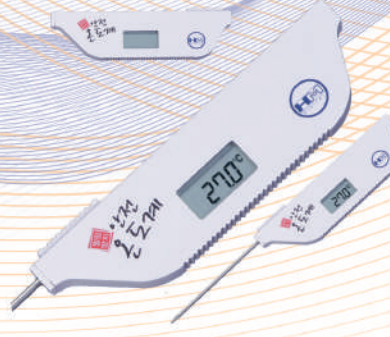
SPECIFICATION	TMR-2000	TMR-500	TM-3000
RANGE	00 min 00 sec ~ 99 min 59 sec	00 min 00 sec ~ 99 min 59 sec	-50 ~ 100 °C / -58 ~ 212 °F
ACCURACY	1 Second	1 Second	0.1°C / 0.1 °F
DISPLAY / LIGHT	LCD / High density LED	LCD / -	LCD / -
ALARM TYPE	Beeping when reach preset time	Beeping when reach preset time	Beeps according to user's setting
FEATURES	Mute functions	-	programmable High / Low limits
DIMENSIONS	8.8 x 6.3 x 1.9 cm / 3.5 x 2.5 x 0.8 in	9.0 X 7.0 X 2.0 cm / 3.6 x 2.8 x 0.8 in	9.0 X 7.0 X 2.0 cm / 3.6 x 2.8 x 0.8 in
POWER SOURCE	2 x 1.5VAAA batteries	2 x 1.5VAAA batteries	2 x 1.5VAAA batteries

THERMOMETERS

TM-500



TM-1000



TM-4000



SPECIFICATION	TM-500	TM-1000	TM-4000
RANGE	-50 ~ 250 °C / -58 ~ 482 °F	-50 ~ 250 °C / -58 ~ 482 °F	-50 ~ 300 °C / -58 ~ 572 °F
RESOLUTION	0.1°C / 0.1 °F	0.1°C / 0.1 °F	0.1°C / 0.1 °F
ACCURACY	-29.9 ~ 199.9°C (± 0.5 °C) -50.0 ~ -30°C (± 1 °C) 200 ~ 250°C (± 3 °C)	-29.9 ~ 199.9°C (± 0.5 °C) -50.0 ~ -30°C (± 1 °C) 200 ~ 250°C (± 3 °C)	-29.9 ~ 199.9°C (± 0.5 °C) -50.0 ~ -30°C (± 1 °C) 200 ~ 250°C (± 3 °C)
FEATURES	Auto-Off after 30min -	Auto-Off after 30min Retractable sensor	Auto-Off after 30min Extra long sensor / Additional housing
POWER SOURCE	1 x 1.5V (357A Button Cell)	1 x 1.5V (357A Button Cell)	2 x AAA batteries
DIMENSIONS	19.5 x 2.5 x 2.0 cm / 7.7 x 1.0 x 0.8 in	12.8 x 3.6 x 1.6 cm / 5.0 x 1.4 x 0.6 in	37.0 x 4.5 x 2.4 cm / 14.6 x 1.8 x 1.0 in
WEIGHT	46 g / 1.6 oz (with batteries),	52 g / 1.8 oz (with batteries)	96 g / 3.4 oz (with batteries)

Digital Refractometers



BLUETOOTH COMMUNICATION
(BTR ONLY)



BLUETOOTH COMMUNICATION



PROTECTIVE / DETACHABLE SLEEVE

OPTICAL GLASS PRISM



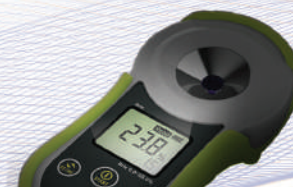
ACCURATE OPTICAL TESTING



EASY TO READ LARGE SCREEN



WATER RESISTANT HOUSING



BACKLIGHT FUNCTION



READING UNDER 5 SECONDS

SPECIFICATION	BTR-1000 (Brix) / SCM-1000	BTR-1000 (Wine) / RVM-1000
UNIT / RANGE	Brix: 0.0~55.0% Temp: 1-80°C / 33-176°F	Brix: 0.0~55.0% / KMW: 0.0~46.4° / Be: 0.0~29.8° / Babo: 0.0~46.4° Oe: 3~256° / TAVP: 0.0~37.9% / Temp: 0~70°C (32~158°F)
SENSOR	Optical glass prism	Optical glass prism
ATC	Yes (10~60°C)	Yes (10~60°C)
RESOLUTION	Brix 0.1% / Temp: 0.1 (°C / °F)	0.1 (1.0 for Oe) / Temp: 0.1 (°C / °F)
ACCURACY	Brix: ±0.2% / Temp: ±1.0°C	Brix: ±0.2% / Temp: ±1.0°C
CALIBRATION	Digital (with distilled water)	Digital (with distilled water)
DIMENSIONS	58 x 36 x 122 mm (2.3 x 1.4 x 4.8 in)	58 x 36 x 122 mm (2.3 x 1.4 x 4.8 in)
HOUSING	Water Resistant	Water Resistant
POWER SOURCE	1.5V x 2 (AAA Alkaline)	1.5V x 2 (AAA Alkaline)
WEIGHT	149 gram / 5.26 oz (Including Batteries/Cover)	149 gram / 5.26 oz (Including Batteries/Cover)



Digital Refractometers

REFRACTOMETERS

SCM-1000



Easy and simple to use.



Take the fruit solution (or juice or sap)



Add 3-4 drops of solution to the prism.



Press the Start key

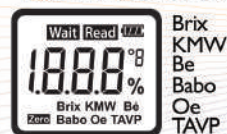


Measurement is completed within 3 seconds

RWM-1000



Six Available Scales



RWM-1000 (wine refractometer) features SIX different units for measurement. Suitable for wine fermentation process/brewing.

BLUETOOTH REFRACTOMETERS

BTR-1000 (Brix)



BTR-1000 (Salinity)



BTR-1000 (Beer)



BTR-1000 (Coffee)



BTR-1000 (Wine)



BTR-1000 (Salinity)

Salinity(%): 0.0~28.0%
Temp: 0-70°C / 32-158°F

Optical glass prism
Yes (10~60°C)

Salinity: 0.1% / Temp: 0.1°C / °F

Salinity: ±0.1% / Temp: ±1.0°C

Digital (with distilled water)

58 x 36 x 122 mm

(2.3 x 1.4 x 4.8 in)

Water Resistant

1.5V x 2 (AAA Alkaline)

149 gram / 5.26 oz (Including Batteries/Cover)

BTR-1000 (Coffee)

Brix 0.00 - 26.00% TDS: 0.00 - 23.00 %
Temp: 0.0 - 70.0°C / 32 - 158°F

Optical glass prism
Yes (10~60°C)

Brix 0.01% / TDS: 0.01 % / Temp: 0.1°C / °F

Brix ± 0.2% TDS: ± 0.2% Temp: ± 1.0°C / °F

Digital (with distilled water)

58 x 36 x 122 mm

(2.3 x 1.4 x 4.8 in)

Water Resistant

1.5V x 2 (AAA Alkaline)

149 gram / 5.26 oz (Including Batteries/Cover)

BTR-1000 (Beer)

Brix: 0.0~30.0% / Plato: 0.0~30.0°P
1)* SG: 1.000~1.129 / Temp: 0.0-70.0°C / 32-158°F

Optical glass prism
Yes

Brix 0.1% / Plato 0.1 % / SG: 0.001 / Temp: 0.1°C / °F

Brix ± 0.2% / Plato: ± 0.2% / SG: ± 0.002 / Temp: ± 1.0°C / °F

Digital (with distilled water)

58 x 36 x 122 mm

(2.3 x 1.4 x 4.8 in)

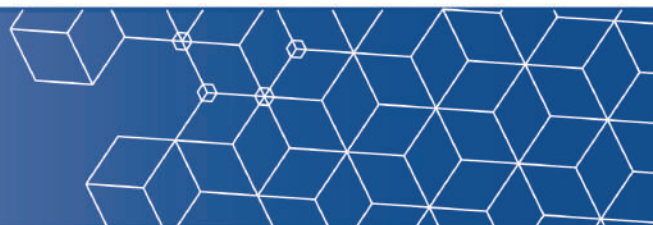
Water Resistant

1.5V x 2 (AAA Alkaline)

149 gram / 5.26 oz (Including Batteries/Cover)

1)* SG stand for specific gravity

TDS / PH Handheld Meters



**WORLD'S MOST RELIABLE AND
ECONOMICAL EC / TDS / PH METERS!**



SPECIFICATION	ZT-2	TDS-EZ	TDS-3	EC-3
RANGE	0-999 ppm (mg/L)	0-9990 ppm (mg/L)	0-9990 ppm(mg/L)	0-9990 μ S(μ S/cm)
TEMP. RANGE	n/a	n/a	1-80°C / 33-176°F	1-80°C / 33-176°F
ATC	Yes	Yes	Yes	Yes
ACCURACY	\pm 3%	\pm 3%	\pm 2%	\pm 2%
RESOLUTION	1 ppm	1 ppm	1 ppm; 1 μ S	1 ppm; 1 μ S
CALIBRATION	Analog to any point	Analog to any point	Analog to any point	Analog to any point
POWER SOURCE	2 x 1.5V button cell	2 x 1.5V button cell	2 x 1.5V button cell	2 x 1.5V button cell
DIMENSIONS	14 x 2.3 x 1.5cm (5.5 x 0.9 x 0.6 in)	15.5 x 3.1 x 2.3 cm (6.1 x 1.25 x 1.0 in)	15.5 x 3.1 x 2.3 cm (6.1 x 1.25 x 1.0 in)	15.5 x 3.1 x 2.3 cm (6.1 x 1.25 x 1.0 in)
WEIGHT	31.2 g (1.1 oz)	56.7 g (2 oz)	76.5 g (2.7 oz) (with case)	76.5 g (2.7 oz) (with case)

TDS / PH Handheld Meters



TDS-4	TDS-4TM	AP-1	AP-2	COM-80	PH-80
0-9990 ppm (mg/L)	0-9990 ppm (mg/L)	0-5000 ppm (mg/L)	0-9999 µS (µS/cm)	0-9999/9.9 µS/mS; 0-5000/5.0 ppm/ppt	0.0 - 14.0 pH
1-80°C / 33-176°F	1-80°C / 33-176°F	1-80°C / 33-176°F	1-80°C / 33-176°F	1-80°C / 33-176°F	1-80°C / 33-176°F
Yes	Yes	Yes	Yes	Yes	Yes
± 2%	± 2%	± 2%	± 2%	± 2%	± 2%
1 ppm	1 ppm	1 ppm	1 µS	1 µS; 0.1 mS; 1 ppm; 0.1 ppt	0.1 pH; 0.1 °C/F
Analog to any point	Analog to any point	Digital to any point	Digital to any point	Digital to any point	Auto-ranging to 4, 7 or 10 pH
2 x 1.5V button cell	2 x 1.5V button cell	1 x 3V button cell	1 x 3V button cell	3 x 1.5V button cell	3 x 1.5V button cell
14 x 2.3 x 1.5 cm (5.5 x 0.9 x 5.9 in)	14 x 2.3 x 1.5 cm (5.5 x 0.9 x 5.9 in)	15 x 2.8 x 1.3 cm (5.9 x 1.1 x 0.5 in)	15 x 2.8 x 1.3 cm (5.9 x 1.1 x 0.5 in)	15.3 x 3.2 x 1.8 cm (6.0 x 1.3 x 0.7 in)	15.3 x 3.2 x 1.8 cm (6.0 x 1.3 x 0.7 in)
34 g (1.2 oz)	34 g (1.2 oz)	42.5 g (1.5 oz)	42.5 g (1.5 oz)	53.9 g (1.9 oz)	53.9 g (1.9 oz)

Pro Series Handheld Meters



PRO series meters are designed to be robust and durable. Water resistant & powered by common two AA batteries.

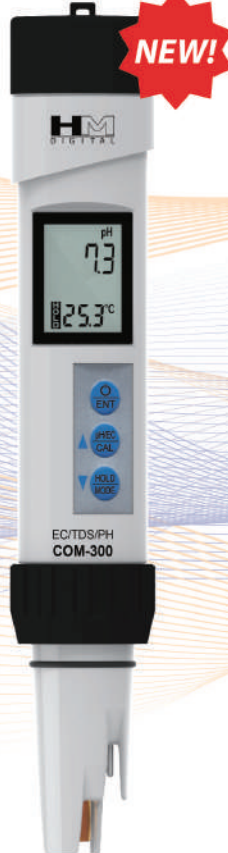


Removable/ Replaceable sensor.



Easy to calibrate.

COM-300



COM-100



PH-200



SPECIFICATION	COM-300 (EC / TDS / pH / Temp)	COM-100 (EC / TDS / Temp)	PH-200 (EC / Temp)
RANGE	pH : 0.0-14.0 pH EC: 0 - 9990 μ S; 0 - 9.99 mS TDS : 0 - 8560 ppm (mg/L); 0.5 (NaCl) scale; 0.7 (442) scale, 0 - 5000 ppm (mg/L)	EC: 0 - 9990 μ S; 0 - 9.99 mS TDS : 0 - 8560 ppm (mg/L); 0.7 (442) scale, 0-5000 ppm (mg/L); 0.5 (NaCl) scale 0-8.56 ppt; 0.7 (442) scale, 0-500 ppt; (NaCl) scale	pH : 0.0-14.0 pH
TEMPERATURE	0.1 - 50°C; 32 - 122°F (0.1 °C / °F)	0.1 - 55°C; 32 - 130°F (0.1 °C / °F)	0.1 - 55°C; 32 - 130°F (0.1 °C / °F)
ATC	Yes	Yes	Yes
ACCURACY	pH : \pm 0.1 / EC/TDS : \pm 2% / Temp : \pm 1 °C/°F	\pm 2%	\pm 0.1pH
RESOLUTION	pH: 0.1 pH EC: 0 - 999: 1 μ S; 1000 - 9990: 10 μ S 0-9.99 mS: 0.01 mS TDS : 0-9990 ppm(mg/L) 0-9990	EC: 0 - 99: 0.1 μ S; 0 - 999: 1 μ S; 1000 - 9990: 10 μ S 0 - 9.99 mS: 0.01 mS TDS : 0 - 99: 0.1 ppm ; 100 - 999: 1 ppm 1000 - 9990: 10 ppm ; 0 - 8.56: 0.01 ppt	pH : 0.01 pH
CALIBRATION	pH : Auto / EC & TDS : Digital to any point	Digital Calibration by push button	Auto-calibration
POWER SOURCE	2 x AAA batteries	2 x AAA batteries	2 x AAA batteries
DIMENSIONS	18.5 x 3.4 x 3.4 cm (7.3 x 1.3 x 1.3 in)	18.5 x 3.4 x 3.4 cm (7.3 x 1.3 x 1.3 in)	18.5 x 3.4 x 3.4 cm (7.3 x 1.3 x 1.3 in)
WEIGHT	124 g (4.4 oz) (with batteries)	127 g (4.5 oz) (with batteries)	127 g (4.5 oz) (with batteries)

Buffer & Solutions Accessories



ORP-200



ORP-200 (ORP / Temp)
ORP: -999 to +1000mV

1-80°C / 33-176°F (0.1 °C / °F)

Yes

± 0.5% (± 2 mV)

ORP: 1 mV

Auto Digital fine tuning

2 x AAA batteries

18.5 x 3.4 x 3.4 cm

(7.3 x 1.3 x 1.3 in)

127 g (4.5 oz) (with batteries)

PH-P7



- 20 pack of PH-7 or PH-4 Buffer
- 20 ml packets

PH-P7
Water (CAS 7732-18-5)
Potassium dihydrogen phosphate (CAS 7778-77-0)
Disodium hydrogen phosphate (CAS 7558-79-4)

PH-P4
Water (CAS 7732-18-5)
Potassium hydrogen phthalate (CAS 877-24-7)

PH-P4



- 20 pack of PH-7 or PH-4
- 20 ml packets

PH-P7
Water (CAS 7732-18-5)
Potassium dihydrogen phosphate (CAS 7778-77-0)
Disodium hydrogen phosphate (CAS 7558-79-4)

PH-P4
Water (CAS 7732-18-5)
Potassium hydrogen phthalate (CAS 877-24-7)

PH-PSTOR



- 20 pack of PH-STOR
- 20 ml packets

3.3mol/L Potassium chloride (KCl) solution (7447-40-7) and deionized water = 99.99998%;
Hyamine 3500 = 0.00002% (bactericide)

ASP-20



- 20 pack of Assorted solutions
- 20 ml packets
- 5 PH-STOR
- 5 PH-P4
- 5 PH-P7
- 5 C-1000

CP-1000



- 20 pack of C-1000
- 20 ml packets

NaCl @ 25°C / 77°F

1000 as 0.5 scale (NaCl)
1450 as 0.7 scale (442)
2000 as μS

0.5 scale Conversion = NaCl
0.7 scale Conversion = 442

PH-STOR



- PH probe storage solution
- Contains fungicide
- Keeps probe healthy and moist

3.3mol/L Potassium chloride (KCl) solution (7447-40-7) and deionized water = 99.99998%;
Hyamine 3500 = 0.00002% (bactericide)

ORP-STOR



- ORP probe storage solution
- Contains fungicide
- Keeps probe healthy and moist

1.1 mol/L Potassium chloride (KCl) solution (7447-40-7) and deionized water = 99.99998%;
Hyamine 3500 = 0.00002% (bactericide)

C-342 / C-1000



- NaCl calibration solution
- Available in 342 ppm or 1000 ppm
- Comes in lightweight HDPE plastic bottles 3oz (88.7 ml.)
- Sealed with a coated foam liner

Solution Equivalents

342 NaCl =
362 as KCl; 478 as "442"; 700 μS
1000 NaCl =
1060 as KCl; 1450 as "442"; 2000 μS liner

HydroMaster Series



HM-500

SP-C5 actual
cable length: 1.9m



SP-P5 actual
cable length: 2m

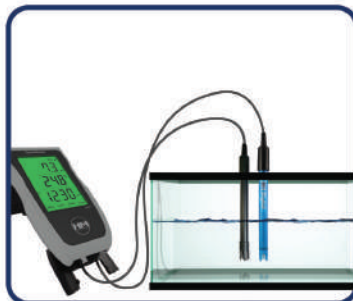
SPECIFICATION	HM -500
RANGE	pH: 0.0~14.0pH EC: 0~9999 μ S / 0~20mS TDS: 0~9999 ppm / 0~10 ppt Temp: 0.0~55°C / 32~130°F
ACCURACY	pH: \pm 0.1pH EC: \pm 2% TDS: \pm 2% Temp: \pm 1°C
RESOLUTION	pH: 0.1pH EC: 0.1 μ S (0~99.9 μ S) 1 μ S (100~999 μ S) 10 μ S (1000~9990 μ S) 0.01mS (0.01~20.00mS) TDS: 0.1ppm (0~99.9ppm) 1ppm (100~999ppm) 10ppm (1000~9990ppm) 0.01 ppt (0.01~10.00ppt)
CALIBRATION	Digital Calibration
POWER SOURCE	Rechargeable Li-ion Battery
DIMENSIONS	20 x 11 x 3.6 cm (8 x 4 x 1.4 in)
WEIGHT	430 g (15.2 oz) for body

FEATURES

- Continuous pH/EC/TDS/Temp Monitor
- Rechargeable battery
- RF Resistant
- Portable/Wall Mount/Benchtop
- Data Storage: Up to 20 measurement readings
- Auto Shut-Off: After 5 minutes
- Alarm: Adjustable High & Low Set Point and on/off
- Display: LCD Touch-Type Screen with Auto Back lighting
- Probe: ABS with Platinum electrodes for EC / Single Junction pH Sensor



HM-500 comes with a wall mount bracket.



Counter-top mode with included foldable stand.



Auto Backlit Screen, HM-500 will control screen brightness according to its environment.



HydroMaster Series

HM-200



SP-P5 actual cable length: 2m

SP-C2, actual cable length: 1.9m

* Length of sensor leads do not depict the actual length

SPECIFICATION	HM -200
RANGE	pH: 0.0~14.0pH EC: 0~9999 μ S / 0~20mS TDS: 0~9999 ppm Temp: 0.0~55°C / 32~130°F
ACCURACY	pH: \pm 0.1pH EC: \pm 2% TDS: \pm 2% Temp: \pm 1°C
RESOLUTION	pH: 0.1pH EC: 0.1 μ S (0~99.9 μ S) 1 μ S (100~999 μ S) 10 μ S (1000~9990 μ S) 0.01mS (0.01~20.00mS) TDS: 0.1ppm (0~99.9ppm) 1 ppm (100~999ppm) 10 ppm (1000~9990ppm)
CALIBRATION	Digital Calibration
POWER SOURCE	2 x AA Batteries
DIMENSIONS	14 x 6.6 x 2.8 cm (5.5 x 2.6 x 1.1 in)
WEIGHT	198 g (7 oz) for body

FEATURES

- Measures pH / EC / TDS / Temp
- Five scales: pH, μ S, mS, ppm 0.5 (NaCl) Scale & 0.7 (442™) Scale
- Automatic Temperature Compensation (ATC)
- Digital Calibration (push button)
- Large and easy-to-read LCD Screen
- Displays 3 parameters (pH/EC or TDS/Temp) simultaneously.
- Replaceable Sensors
- Includes protective rubber boot, 2 (AA) alkaline batteries, pH 4 & 7 calibration solutions, pH storage solution



Includes removable cover.
Easy to protect, clean and grip.

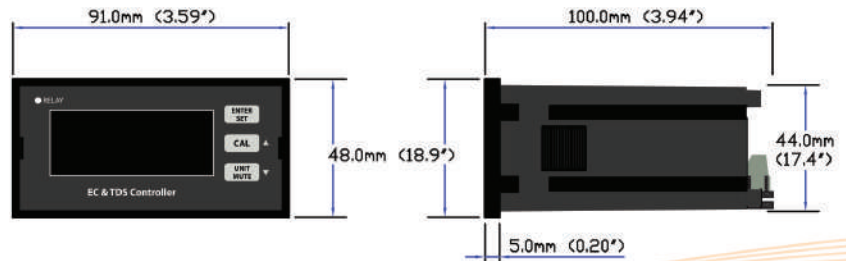


HM-200 is ergonomically designed.
Provides firm grip with great portability.

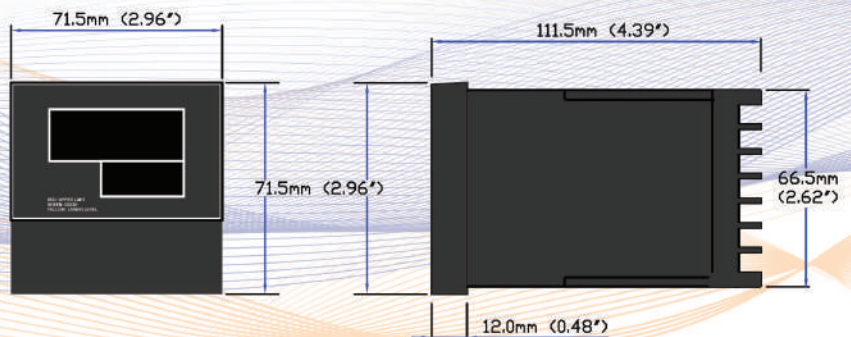


Equipped with a Backlit screen.
Suitable & reliable in various environment.

Controllers



EC/TDS testing for the commercial or industrial water treatment professional. This 'mini' controller has an adjustable relay able to control a pump or valve.



Size reference only for : CIC-150-N / CIC-150-4 / CIC-152-N / CIC-152-4 / PPH-1000

Continuous and simultaneous monitoring and control for high output commercial systems.

* Controllers use stainless steel electrodes.

SPECIFICATION	PSC-50 / PSC-54	PSC-60D / PSC-64D	PSC-150	PSC-154
RANGE	0-9999 ppm (mg/L); 0-10.0 ppt (g/L) 0-9999 µS; 0-20.00 mS	0-9999 ppm (mg/L); 0-10.0 ppt (g/L) 0-9999 µS; 0-20.00 mS	0-5000 ppm (mg/L); 0-9999 µS	0-5000 ppm (mg/L); 0-9999 µS
ACCURACY	± 2%	± 2%	± 2%	± 2%
RESOLUTION	0-99.9 : 0.1 ppm/µS; 100-9999 : 1ppm / µS 0.1ppt / mS	0-99.9:0.1 ppm / µS; 100-9999: 1 ppm / µS 0.1ppt / mS	0-999:0.1 ppm/ µS; 1000-9999: 1 ppm / µS;	0-999:0.1 ppm/ µS; 1000-9999: 1 ppm/ µS;
ATC	Yes (1 - 65°C / 33 - 149°F)	Yes (1 - 65°C / 33 - 149°F)	Yes (1 - 65°C / 33 - 149°F)	Yes (1 - 65°C / 33 - 149°F)
CALIBRATION	Digital to any point	Digital to any point	Digital to any point	Digital to any point
SET POINT	On-screen buttons	On-screen buttons	On-screen buttons	On-screen buttons
RELAY CONTROLS	Simple switch, user-defined set point	n/a	Simple Switch, user-defined set point	Simple Switch, user-defined set point
ALARM	Optional setting	Optional setting	Optional setting	Optional setting
DISPLAY	2.3" LCD display w/ backlight	2.3" LCD display w/ backlight	Bright, tri-color 5/8" L.E.D. display	Bright, tri-color 5/8" L.E.D. display
PROBES	1/2" NPTF; 3 m (9.8 ft) cable	1/2" NPTF; 3 m (9.8 ft) cable	1/2" NPTF; 3 m (9.8 ft) cable	1/2" NPTF; 3 m (9.8 ft) cable
POWER SOURCE	AC 110V / 220V	AC 110V / 220V	AC 110V / 220V	AC 110V / 220V
DIMENSIONS	9.6 x 4.8 x 10 cm (3.8 x 1.9 x 3.9 in)	9.6 x 4.8 x 10 cm (3.8 x 1.9 x 3.9 in)	7.2 x 7.2 x 11.1 cm (2.8 x 2.8 x 4.4 in)	7.2 x 7.2 x 11.1 cm (2.8 x 2.8 x 4.4 in)
WEIGHT	261 g (9.2 oz)	261 g (9.2 oz)	230 g (8.1 oz)	241 g (8.5 oz)



Dosing Control Dual Display

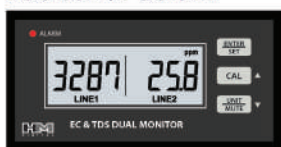
PSC-50 / PSC-54



ONE TDS/EC LINE, MINI CONTROLLER, SINGLE SCREEN

- Extended range for TDS and EC
- 4-20mA output signal (PSC-54 only)
- Temperature display mode
- Digital calibration
- Fully adjustable relay control is set by the user to automatically stop a pump or valve if the level rises above the setting
- Includes all parts at no extra cost

PSC-60D / PSC-64D



TWO TDS/EC LINES, DUAL DISPLAY

- Dual line TDS/EC displays feed and product water (Two sensors)
- Extended range for TDS and EC
- 4-20 mA output signal (PSC-64D Only)
- Digital calibration
- Includes all parts at no extra cost

PSC-150



ONE TDS/EC LINE, SINGLE SCREEN

- Extended range for TDS and EC
- On-screen temperature display
- Digital calibration
- The fully adjustable relay control is set by the user to automatically stop a pump or valve if the TDS level rises above the setting
- Includes all parts at no extra cost

PSC-154



ONE TDS/EC LINES, SINGLE SCREEN

- Extended range for TDS and EC
- 4-20mA output signal
- On-screen temperature display
- Digital calibration
- The fully adjustable relay control is set by the user to automatically stop a pump or valve if the TDS level rises above the setting
- Includes all parts at no extra cost

CIC-150-N / CIC-150-4



ONE TDS/EC LINE, SINGLE SCREEN SINGLE DOSING CONTROL

- Extended range for TDS and EC
- Two alarms (upper and lower)
- On-screen temperature display
- NaCl or 442 conversion factor
- Upper limit and lower limit set points to control a pump or solenoid valve
- Includes all parts at no extra cost

CIC-152-N / CIC-152-4



ONE TDS/EC LINE, SINGLE SCREEN DUAL DOSING CONTROL

- Extended range for TDS and EC
- Two set points to control a range
- Two alarms (max. and min)
- On-screen temperature display
- NaCl or 442 conversion factor
- Upper and lower limit set points to control two devices, such as a pump and solenoid valve
- Includes all parts at no extra cost

PS-202



TWO TDS LINES, DUALSCREEN

- Ideal for commercial RO systems
- Monitors and controls two lines simultaneously
- The fully adjustable relay control is set by the user to automatically stop a pump or valve if the TDS level rises above the setting
- Includes all parts at no extra cost

PPH-1000



ONE pH LINE, SINGLE SCREEN

- Ideal for controlling pH in commercial applications
- 4-20mA output signal
- Digital calibration
- On-screen temperature display
- Fully adjustable relay control with 2 set points (High and Low) maintain desired range
- Includes 3/8" sensor probe

CIC-150-N / CIC-150-4

TDS: 0-5000 ppm (mg/L) NaCl: 0-8500 ppm (mg/L) 442: 0-9999 µS

± 2% full scale

0-999: 0.1 ppm/ µS;
1000-8500: 1 ppm/ µS

Yes (1 - 65°C / 33 - 149°F)

Digital to any point

On-screen buttons

Two (upper and lower limit)

Two dependent alarms (max. and min)

Bright, tri-color 5/8" L.E.D. display

1/2" threaded NPTF; 3 m (9.8 ft) cable

AC 110V / 220V

7.2 x 7.2 x 10.2 cm (2.8 x 2.8 x 4.0 in)

436 g (15.4 oz)

CIC-154-N / CIC-152-4

0-5000 ppm (mg/L) NaCl: 0-8500 ppm (mg/L) 442: 0-9999 µS

± 2% full scale

0-999: 0.1 ppm/ µS;
1000-8500: 1 ppm/ µS

Yes (1 - 65°C / 33 - 149°F)

Digital to any point

On-screen buttons

Two (upper and lower limit)

Two independent alarms (max. and min)

Bright, tri-color 5/8" L.E.D. display

1/2" threaded NPTF; 3 m (9.8 ft) cable

AC 110V / 220V

7.1 x 7.1 x 11.1 cm (2.8 x 2.8 x 4.4 in)

241 g (8.5 oz)

PS-202

0-999 ppm (mg/L)

± 2%

1 ppm

Yes (1 - 65°C / 33 - 149°F)

Analog to any point

On-screen buttons

Simple Switch, user-defined set point

Optional setting

Bright 5/8" L.E.D. display

2 x 1/2" NPTF; 3 m (9.8 ft) cable

AC 110V / 220V

9.4 x 9.4 x 12.5 cm (3.7 x 3.7 x 4.5 in)

569 g (1 lb 4.1 oz)

PPH-1000

0.01 - 14.00 pH

±0.5% FS.

0.01 pH / 0.1°C (0.1°F)

Yes (1 - 60°C / 33 - 140°F)

Digital to any point

On-screen buttons

Two (upper and lower limit)

Optional setting

Bright 5/8" L.E.D. display

3/4" Electrode, 3 m (9.8 ft) cable

AC 110V / 220V

7.2 x 7.2 x 11.1 cm (2.8 x 2.8 x 4.4 in)

235 g (8.3lbs)

Monitors



QC-1 Quick Check 1

- With the push of a button, the unit displays a green or red light, indicating good water quality or that service is required, respectively
- Tests for TDS or conductivity levels
- Eight programmable set points (by dip switch)
- Bright LED lights
- Simple to use



Monitors provide people monitoring the purification process of their water an easy way to either get a quick display of water quality or to test actual water purity of feed water (input water) and product water (output water). Some of HM Digital's products offer you up to 3 test points of the purification. The different applications where monitoring is important include drinking water filtration using Reverse Osmosis (RO) or Deionized water (DI), purification of water before adding nutrients to a hydroponics solution or even for the Aquarium enthusiast.

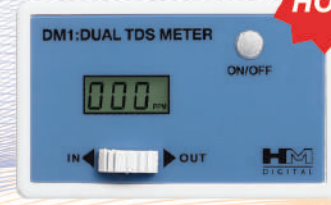
SM-1 Single TDS Monitor

- Displays the TDS level of a single water line
- Works with the push of a button
- Auto-off function conserves battery power; unit shut off automatically after 10 minutes of non-use
- Comes equipped with 1/4" T-fitting (also available with 3/8" or 1/2")



DM-1 Dual TDS Monitor

- Displays TDS levels of the feed water and product water with in & out sensors
- A crucial device for any water filter system
- Great instant check for system performance
- Comes equipped with 1/4" T-fitting (also available with 3/8" or 1/2")
- Simple to use



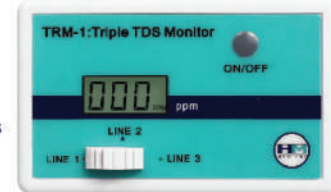
DM-2 Dual TDS Monitor

- All of the benefits of the DM-1, Plus:
- A large, easy-to-read LCD display
- Splashproof housing
- Shielded, water-resistant cables
- Sliding bracket with variable mounting options
- Sleek design
- Longer sensor cables
- Digital calibration
- Optional 12V AC power adapter



TRM-1 Triple TDS Monitor

- Three-line TDS monitor
- Ideal for multi-system applications, such as RO/DI
- Displays TDS levels at three points, with three sensors
- Comes equipped with 1/4" T-fittings (also available with 3/8" or 1/2")
- Simple to use



SPECIFICATION	PM-1 PM-2	QC-1	SM-1	DM-1	DM-2 / DM-2 EC
RANGE	TDS: 0-200 ppm	TDS: 0-5000 ppm EC: 0-9999 µS	TDS: 0-9990 ppm	TDS: 0-9990 ppm	TDS: 0-9990 ppm EC: 0-9999 µS
ACCURACY	± 2%	± 3%	± 2%	± 2%	± 2%
RESOLUTION	n/a	n/a	0-999: 1 ppm; 1000-9990: 10 ppm	0-999: 1 ppm; 1000-9990: 10 ppm	0-999: 1 ppm; 1000-9990: 10 ppm
ATC	Yes (1 - 65°C / 33 - 149°F)	n/a	Yes (1 - 65°C / 33 - 149°F)	Yes (1 - 65°C / 33 - 149°F)	Yes (1 - 65°C / 33 - 149°F)
CALIBRATION	Factory calibrated only	Factory calibrated only	Analog to any point	Analog to any point	Digital to any point
SET POINT	Set by dip switch	Eight options (max 50 ppm / 100 µS)	n/a	n/a	n/a
ALARM	Lights and audible alarm	Red/green light (no audible alarm)	n/a	n/a	n/a
SENSOR	1/4" quick connect	1/4" quick connect	1/4" quick connect	2 x 1/4" with quick connect	2 x 1/4" quick connect
SENSOR CABLE LENGTH	62.86 cm (24.75 in) shielded cable	62.2 cm (24.5 in) shielded cable	62.2 cm (24.5 in)	62.2 cm (24.5 in)	116.8 cm (46 in) shielded cable
POWER SOURCE	AC 110V / 220V	4 x 1.5V button cell (LR44)	2 x 1.5V button cell (LR44)	2 x 1.5V button cell (LR44)	2 x AA batteries
BATTERY LIFE	n/a	Approx. 1 year	Approx. 1,000 hours of usage	Approx. 1,000 hours of usage	Approx. 750 hours of usage
DIMENSIONS	9.1 x 7.1 x 4 cm (3.6 x 2.8 x 1.6 in)	7.6 x 2 x 4.7 cm (3 x .8 x 1.9 in)	7.6 x 2 x 4.7 cm (3 x .8 x 1.9 in)	7.6 x 2 x 4.7 cm (3 x .8 x 1.9 in)	11.6 x 6.8 x 1.8 cm (4.6 x 2.6 x .7 in)
WEIGHT	275 g (9.7 oz)	39.7 g (1.4 oz)	79.4 g (2.8 oz)	79.4 (2.8 oz)	201.3 g (7.1 oz)

Monitors

Sensors

(More details on page 17)



T-fitting Applicable



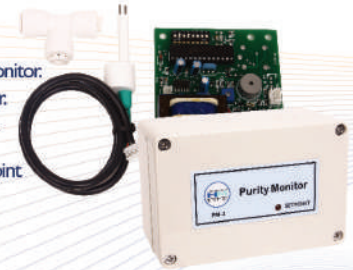
for
QC-1 / SM-1
DM-1 / DM-2



for
LSM-100
LDM-100R

PM-1 / PM-2

- PM-1: OEM single line internal TDS monitor.
- PM-2: External single line TDS monitor.
- Includes a light and optional alarm that alerts the user service is required when the TDS level reaches the set-point
- User-defined set points
- Red or yellow warning lights
- Audible alarm (steady beep)



LSM-100 Large Display Monitor

- Commercial TDS/EC monitor with large easy to read display
- 1/2" sensor probe makes it ideal for large scale systems
- Reads ppm, ppt, μ S and mS
- Extended battery life for continuous monitoring
- Includes sensor probe and batteries



LDM-100R Rejection Dual Monitor

- Monitor the efficiency of your commercial RO system
- Dual line TDS/EC displays feed and product water
- Automatically calculates the % rejection
- Extended battery life for continuous monitoring
- Includes two sensor probes and batteries



FM-2 Filter Monitor

- 5-stage filter monitor with 5 independent timers and volumizers
- LED faucet indicator disc
- Measures time and volume for up to 5 stages
- Auto-off function conserves batteries
- Timer counts down in months or days (programmable)
- Volumizer counts up in liters or gallons (programmable)
- Modern design is perfect for any kitchen



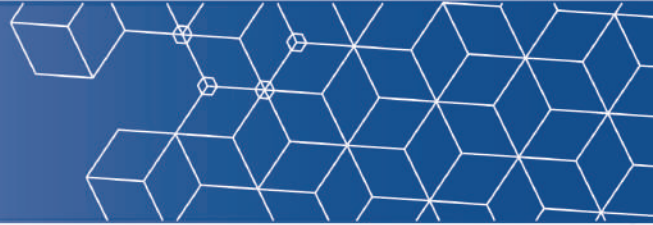
FLM-3 Flow Meter

- Monitors flow rates in LPM or GPM
- Tracks total liters or gallons used
- Programmable alarm indicates overage
- Large, easy-to-read LCD display
- Unique design is perfect for under-the-sink or countertop systems



TRM-1	LSM-100	LDM-100R	FM-2	FLM-3
TDS: 0-9990 ppm	TDS: 0-9999 ppm (mg/L); 0-10.0 ppt (g/L) EC: 0-9999 μ S; 0-20.00 mS	TDS: 0-9999 ppm (mg/L); 0-10.0 ppt (g/L) EC: 0-9999 μ S; 0-20.00 mS	0.8-8.0 LPM/0.2-2.1 GPM	0.8-8.0 LPM/0.2-2.1 GPM; 0-99999 g/l
$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 1\%$	$\pm 10\%$
0-999: 1 ppm; 1000-9990: 10 ppm	0-999: 1 ppm; 1000-9990: 10 ppm	0-999: 1 ppm; 1000-9990: 10 ppm	1 day/month; 1 gallon/liter	0.1 LPM/GPM; 1 g/l
Yes (1 - 65°C / 33 - 149°F)	Yes (1 - 65°C / 33 - 149°F)	Yes (1 - 65°C / 33 - 149°F)	n/a	n/a
Analog to any point	Digital to any point	Digital to any point	n/a	n/a
n/a	n/a	n/a	Fully programmable	Fully programmable
n/a	n/a	n/a	Beep	Beep
3 x 1/4" quick connect	1/2" NPT threaded	1/2" NPT threaded	1/4" quick connect	1/4" quick connect
62.2 cm (24.5 in)	3 m (9.8 ft) cable	3 m (9.8 ft) cable	93 cm (36.6 in)	n/a
2 x 1.5V button cell (LR44)	2 x 1.5V AA batteries	2 x 1.5V AA batteries	2 x 1.5V AA batteries	2 x 1.5V AA batteries
Approx. 1000 hours of usage	Approx. 2 years	Approx. 2 years	Approx. 18 months	Approx. 18 months
7.6 x 2 x 4.7 cm (3 x 0.8 x 1.9 in)	12 x 7.5 x 2.6 cm (4.7 x 3 x 1 in)	12 x 7.5 x 2.6 cm (4.7 x 3 x 1 in)	10 x 6.3 x 2.3 cm (4 x 2.5 x 0.9 in)	6.6 x 9.0 x 6.3 cm (2.6 x 3.5 x 2.5 in)
88 g (9 oz)	198 g (7 oz)	198 g (7 oz)	119 g (4.2 oz)	207 g (7.3 oz)

Replaceable Sensors



Replacement Probes

SP-P5



HM-500/HM-200 Replacement pH Probe

- Glass sensor and reference tube, thermistor
- Includes storage solution
- Easy assembly for Hydro Master

SP-C2



HM-200 Replacement EC / TDS Probe

- Platinum sensor pins
- Thermistor
- Easy assembly for Hydro Master

SP-C5



HM-500 Replacement EC / TDS Probe

- Platinum sensor pins
- Thermistor
- Easy assembly for Hydro Master

SP-P10



PPH-1000 Replacement pH Probe

- Glass sensor and reference tube, thermistor
- 3/4" Industrial Type
- Easy assembly for PPH-1000

SP-1/SP-1-PSC



TDS/EC Sensor Probe for Panel Mounted Controllers

- High quality, durable plastic construction
- Stainless steel sensors
- Probe: 1/2" threaded NPTF (detachable)
- Cable: 3meter (9.8 ft) shielded cable
- Connector: 4-pin
- Thermistor: Yes

SP-5



Single TDS Sensor Probe

- Stainless steel sensors
- Probe: 1/4"
- Cable: 120 cm (47 in)
- Connector: 4-pin
- Thermistor: Yes
- Sensors have unlabeled green wrap

SP-C3



COM-300 Replacement pH / TDS / EC Probe

- Glass sensor and reference tube, thermistor
- Includes storage solution
- Easy assembly
- Meter must be calibrated after attaching new sensor

SP-C1



COM-100 Replacement EC Probe

- Platinum sensor pins
- Thermistor
- Easy assembly

SP-P2



PH-200 Replacement pH Probe

- Glass sensor and reference tube, thermistor
- Includes storage solution
- Easy assembly

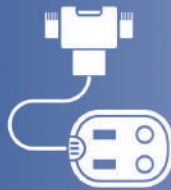
SP-O2



ORP-200 Replacement ORP Probe

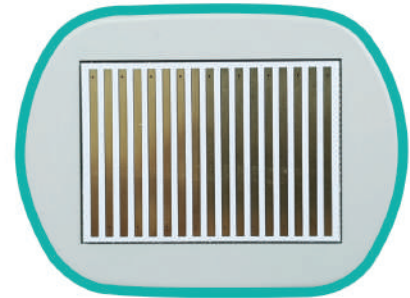
- Platinum sensor and glass reference tube, thermistor
- Includes storage solution
- Easy assembly

IMPORTANT : Meters must be calibrated after attaching a new sensor

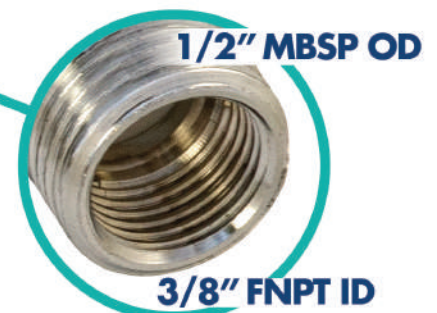


Leak Block Sensor

LBS-10 LEAK BLOCK SENSOR PROTECT FROM LEAKS WITH LBS-10



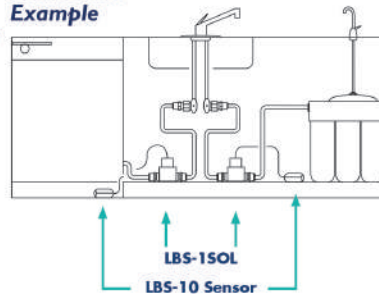
LBS-10 is equipped with a large sensor to detect water instantly. Able to use in many different flooring.



The valve's inner diameter is 3/8 NPT, and the outer diameter is 1/2 BSP.

SPECIFICATION	LBS-10
TEMP. RANGE	1.1~63°C / 34~145°F
MAX. FLOW RATE	5 GPM / 19 LPM
MAX. PRESSURE	125 psi / 8.6 bar
CONNECTION	3/8" FNPT 1/2" MBSP
POWER SOURCE	1 x 9V battery
WEIGHT	31.2 g (1.1 oz)
CABLE LENGTH	1m (3.2 ft)

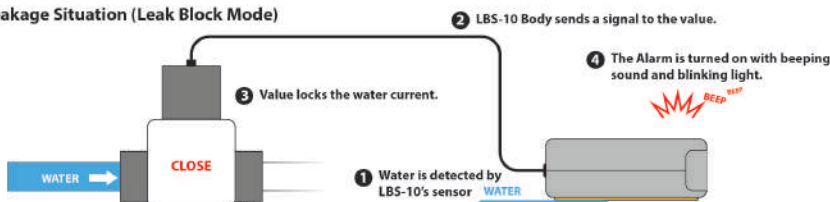
Installation Example



Normal Situation (Standby Mode)



Leakage Situation (Leak Block Mode)



LBS-10 is a highly versatile LeakBlock sensor.

Your First Step to

PERFECT WATER™



HM DIGITAL CATALOG 2018

Authorized Distributor



SEOUL, SOUTH KOREA

