

**WE HYDROPONICS<sup>TM</sup>**

# PRODUCT CATALOGUE



# HYDROPONICS



The word "hydroponics" means growing plants in water.

In soil base culture soil provides support, water and nutrients to plant. In hydroponics support is provided with different growing medium and required nutrients are dissolved in water so roots can absorb nutrients from water it self. "toil"), but because you can grow plants without actually standing them in water.

Hydroponic systems actually use less water than traditional soil-based systems.

Plants basically need water, support, light (of particular wavelength) nutrients and appropriate environment to grow. Since roots are bathed in all the nutrients they need, plants spend more time growing upward and less time and energy growing extensive root systems to search for food.

While hydroponic gardening might sound pretty heavy on science, once you understand the nature of it is quite easy to get started. Once you have the right System in place and your hydroponic garden set up, hydroponically grown plants are incredibly easy to look after without the use of complicated technology.





# NETPOTS

A pot with multiple holes which holds growing media by allowing roots and air to pass through. Net Pots allow liquid to flow freely past the roots of the plants they contain, facilitating the uptake of nutrients. As the plant grows, the roots extend out of the holes in the net pot and grow down through the pots in search of water.

**Features:**

Net pots are strong and durable  
Heavy duty  
Reusable

**Compatible with:**

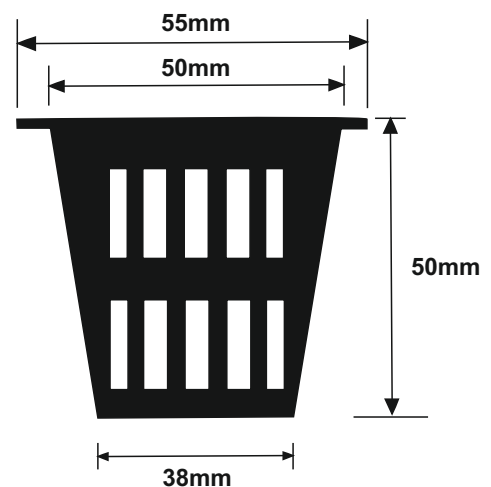
NFT systems  
Deep water culture  
Raft System  
Ebb & Flow  
Aeroponics



The wide range of net pots are available and suitable for all types of hydroponics system and all kind of channels

## 2

### INCH NET POTS-REGULAR

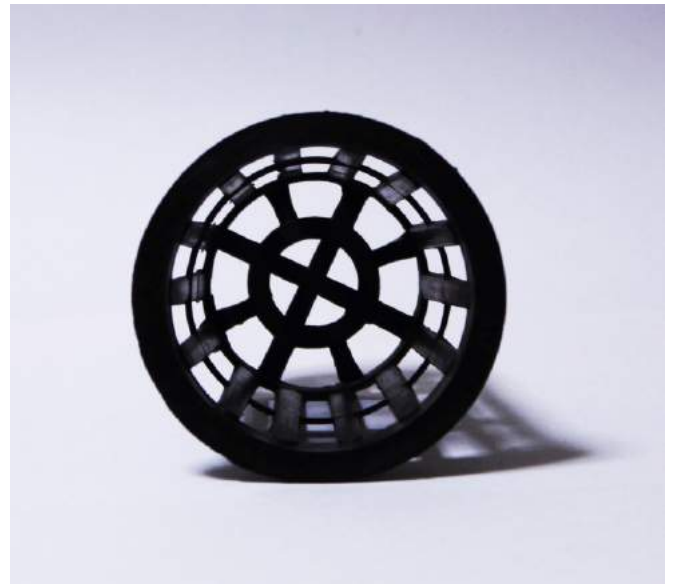


**Material :** PP

**Color :** Black and White

**2**

**INCH NET POTS- CENTER +**



**Material : PP**  
**Color : Black**

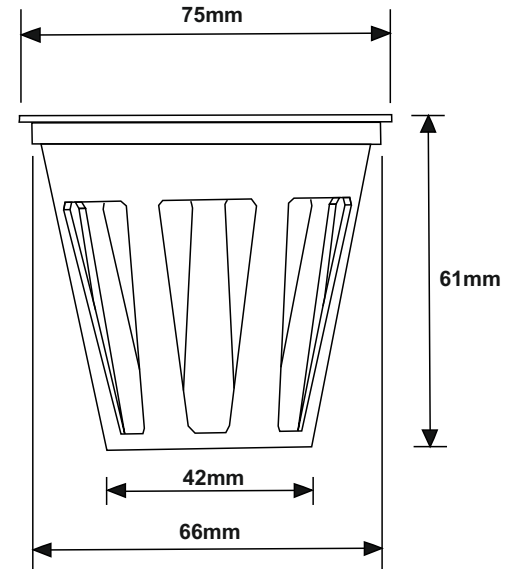
**2**

**INCH NET POTS-CENTER O**



**Material : PP**  
**Color : Black**

## 2.5 INCH WHITE PREMIUM NET POTS



**Material :** PP

**Color :** White

## 2x4 INCH NET POTS EXTENDED

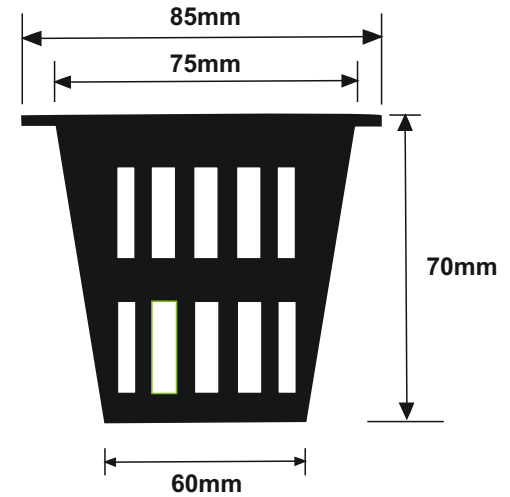


**Material :** PP

**Color :** Black and White

3

## INCH NET POTS

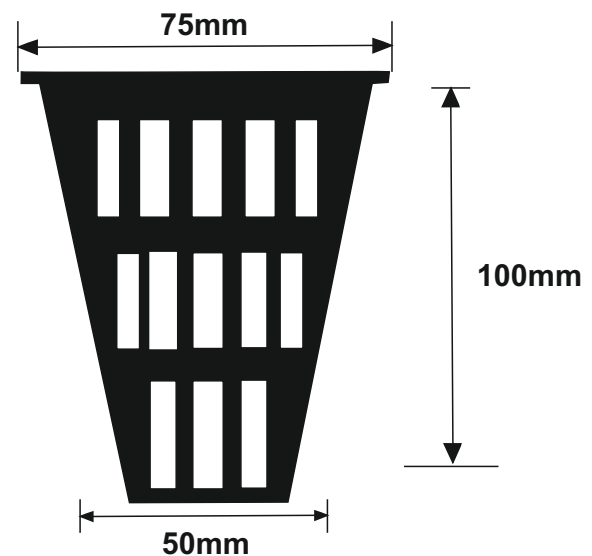


**Material :** PP

**Color :** Black and White

3x4

## INCH NET POTS EXTENDED



**Material :** PP

**Color :** Black

5

## INCH NET POTS



**Material :** PP  
**Color :** Black

# NFT CHANNELS

- Lead free UPVC pipe
- UV resistant pipes for superior durability
- Double layer design to maintain water temperature and reduce evaporation
- Functional design enables the pipe to be opened easily for regular cleaning
- Serrated surface to boost the surface area for optimum root growth
- Rigid pipes helps prevent sagging and key for uniform water flow.

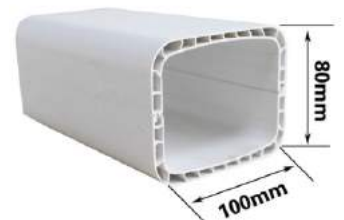
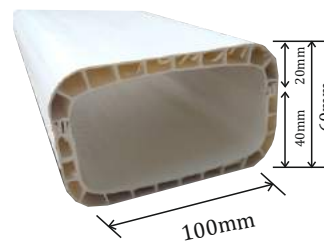


NFT, because of its design, provides a system wherein all three requirements for healthy plant growth can be met at the same time, provided that the simple concept of NFT is always remembered and practiced. The result of these advantages is that higher yields of high-quality produce are obtained over an extended period of cropping.

Size : 100x60 mm

100x80 mm

Material : UPVC (No lead)



Features : Openable and Double layered channel



100x80mm



100x60mm

End caps are available with and without spout



# GROW MEDIA

A growing medium is a material, other than soil on the spot, in which plants are grown. Growing media are used by the horticulture industry as well as consumers to support the development of plants. The growing medium ensures that the plant can healthily grow by providing it with a range of essential elements:

an optimum rooting environment for physical stability

storage of air for the roots

water absorption and retention --> availability to the plant when needed

supply of nutrients for the roots

The right growing medium provides growing conditions that are predictable and reliable for the grower, contributing to higher yields and more efficient growing.

Types of Growing Media:

- COCODISC • GROW CUBE • GROW PLUG • MICROGREENS SHEET
- COCOPEAT • AGRICULTURE PERLITE • VERMICULITE • CLAYBALLS

## 1 COCO DISC

Coco Pellets or Coco Disc are an ideal growing medium for starting your seedlings. These pellets made from coco fibre expand in water and it form a neat basket of inert coco fibre which will hold its moisture.

Material : 100% COCO PEAT with non woven fabric

Size : 30mm, 50mm

pH : 5 - 6.5 pH

Ec : 1mS/cm

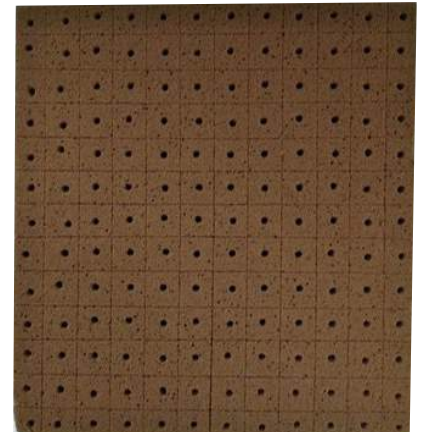
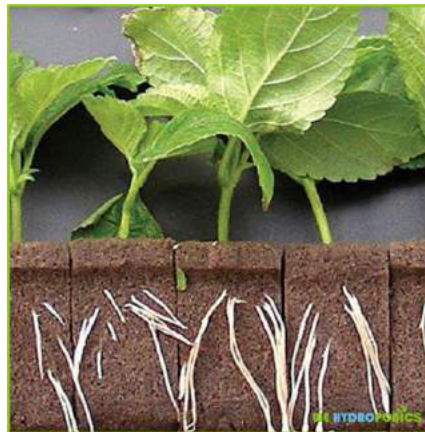
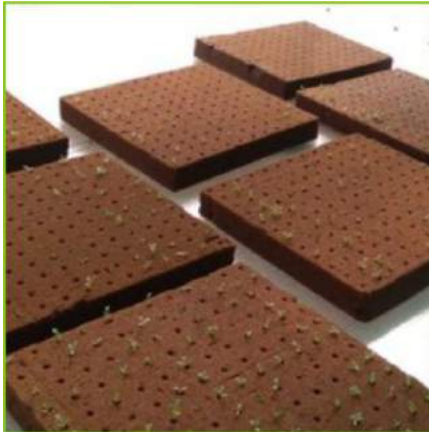


Sl No	Compressed Size (Dia x thk)	Expansion Height
1.	28 x 10 mm	40 mm
2.	50 x 17 mm	55 mm

## 2 GROW CUBE

This growing medium is specially engineered for the hydroponics seedling production of vegetables and herbs as it is having lower density and higher drainage foam. The higher drainage design helps to maintain an ideal air to water balance, even under heavy watering conditions.

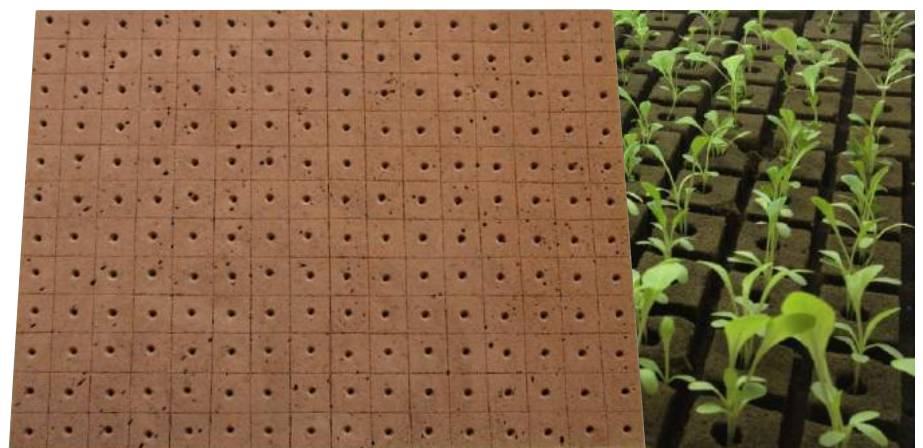
### STANDARD



Grower medium  
156 Cube per sheet (12x13)  
20 sheets per box

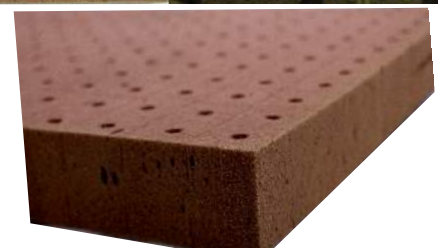
Dimensions for sheet : 32.5x30.5x3.7 cm  
Dimensions for per cube : 2.5x2.5x3.7 cm

### BIG



Grower medium  
192 Cube per sheet  
10 sheets per box

Dimensions for sheet : 55.5x41.5x5 cm  
Dimensions for per cube : 3.5x3.5x5 cm





## SMALL



Grower medium  
276 Cube per sheet  
20 sheets per box

Dimensions for sheet : 24x51x3.8 cm  
Dimensions for per cube : 2.2x2x3.8 cm

## **3 GROW PLUG**

This cutting propagation medium was designed specifically with the perfect balance of air and water to encourage plant growth and get unrooted cuttings off to a strong start.

Plugs are to be used as propagation medium.

Roots remain undisturbed during transplant, eliminating plant shock

Superior cutting hydration: Less need for misting simplifies growing process



Grower medium

5200 plugs per box  
Size per plug : 28x23x23 mm

## 4 MICROGREENS SHEET

This growing medium is specially engineered for the hydroponics seedling production of vegetables and herbs as it is having lower density and higher drainage foam. The higher drainage design helps to maintain an ideal air to water balance, even under heavy watering conditions. IDEAL FOR MICROGREENS: Microgreens, sprouts, sunflower seeds, basil seeds, broccoli seeds, radish seeds, pea shoots, and many more.



**Grower medium**

**Sheet for micro greens**

Dimensions : 32.5x30.5x1.3 cm

50 sheets per box

## 5 COCO PEAT BLOCK

COCO PEAT is an excellent substrate for both vegetable and flowering plants. It has many applications as an effective soil conditioner and soil free substrate. COCO PEAT is ideal for potting mixes, seeding nurseries, mushroom farming and hydroponic growing.



Material : COCO PEAT

Size : Compressed 5 Kg blocks

Ec : less than 1 ms

pH : 6 - 6.5 pH



## 6 AGRICULTURE PERLITE

Perlite is used to mix with cocopeat for plant stability and prevent plant from over watering which cause lack of oxygen. Ideal ratio of perlite with cocopeat is 1:3 (33% perlite, 67% cocopeat). Due to its extremely light weight, it's widely used in vertical pots / planters to reduce the weight of potting mix.

If weight of potting mix is less, we can also keep bigger plants in the vertical pots. The expanded perlite is full of tiny air bubbles, and its dimpled surface area helps trap moisture.

Color : White

Use : Growing Medium

Available in :

1/2kg packaging, 8kg bag



## 7 VERMICULITE

Vermiculite is a naturally occurring mineral that is used in gardening. Add vermiculite to your potting mix to improve the aeration of soil and increase the water holding capacity. You can use it to enhance seed germination and condition the soil because of its aeration and water-holding properties. Benefits of vermiculite:

It does not rot

Improves the soil structure through soil aeration

Increases water and nutrient retention

Grade : Medium (3-6 mm)

Use : Growing Medium

Available in :

1kg packaging, 25kg bag



# 8

## LIGHT EXPANDED CLAY AGGREGATE/CLAYBALLS

Expanded clay pebbles or LECA resemble oddly shaped, semi-rounded pieces of clay-colored popcorn. The high-heat popping during the manufacturing process gives the medium its large, airy macro-pores. Horticultural clay pebbles are made from 100% natural clay. They are clean, pH stable, and offer great aeration and drainage in hydroponics, especially in flood and drain, deep water culture, and drip feed systems.

### Floating Clayballs -

LECA Size : 8-15 mm

Weight (Approx) :

13 kg/50 Lt

Available in :

1Kg (3-4 ltr) , 50 ltr bag



### Non Floating Clayballs -

Made from 100% natural clay  
Highly stable to both varying pH  
and EC

LECA Size : 2-10 mm

Weight (Approx) :

1Kg= 1.8 to 2 liters



# MICROGREENS

## 1 GROW TRAY

Grow trays are the beginning for the paddy cultivation. Using of trays helps in saving water & fertiliser.

Each tray is heavy, has drainage holes and has been checked to grow micro greens and wheatgrass.

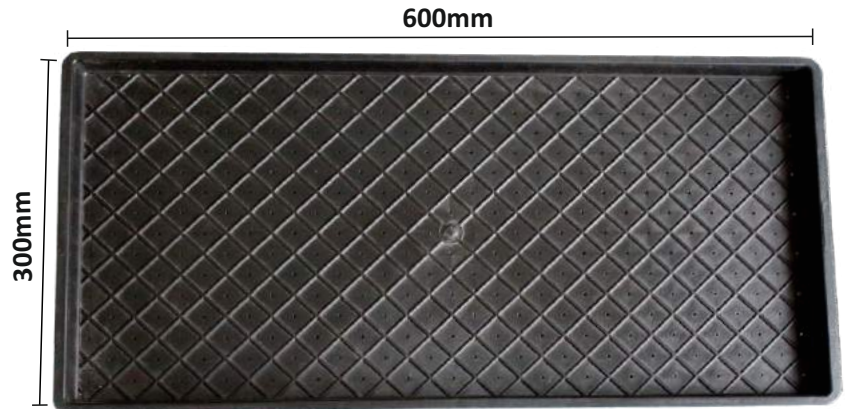
Made from plastic material, hence it is very durable and has strong and a sturdy body.

Dimension-60 x 30 x 3 cm, big and strong enough to plant seed tray.

Hole size 1.5mm Also best for Wheatgrass trays, Microgreen trays, Fodder and paddy tray.

**Material : PP**

**Color : Black**



Height : 30 mm

Drain hole size: 1.5mm



## 2 COCO GROW MAT



100 % biodegradable, Ideal for microgreens growing, Natural hydroponic grow medium  
Excellent moisture retaining properties,  
Highly aeratious leading to rapid root growth  
It provides Most of the nutritional supplement to improve the soil health for a good result in plants growth

This coco grow mat is a byproduct taken from the extraction of coconut fibres from the husks. Cocopeat is full of nutrients and is an excellent growing medium which as a excellent water holding capacity.

# GROW LIGHTS

A grow light is an artificial light to help plants grow. Grow lights attempt to provide a light spectrum similar to that of the sun. Outdoor conditions are mimicked with varying colour, temperatures and spectral outputs from the grow light, as well as varying the intensity of the lamps.

The photo period required by the plants, specific ranges of spectrum, luminous efficacy and color temperature are desirable for use with specific plants and time periods.

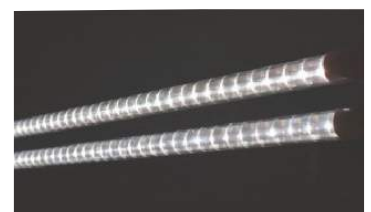
## MULTISPECTRUM LIGHT



Material	Aluminium
Operating Voltage	80-300 V
Power Consumption	17 W
Wavelength	635nm,420nm,735nm 5500k
LED Life	50,000 Hours
Dimensions	1200x30x35 / 600x30x35 in mm

## FULLSPECTRUM LIGHT

Material	Aluminium
Operating Voltage	80-300 V
Power Consumption	17 W
Wavelength	395nm,440nm, 660nm 735nm 6500k
LED Life	50,000 Hours
Dimensions	1200x30x35 / 600x30x35 in mm





# HYDROPONICS RAFT

Material : XPS sheet (Extruded Polystyrene)

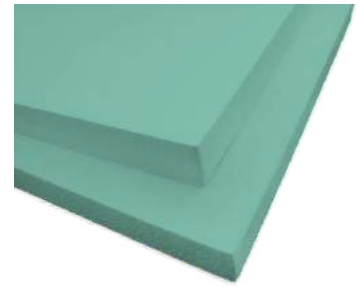
Properties : Float on water, excellent insulating characteristics, high resistance to water and water vapor, exceptional compressive strength and long-term durability.

Color : light Green

Size : 60 cm x 125 cm x 2.5cm

60 cm x 240 cm x 2cm

Thickness : 20mm and 25mm (1 inch)



The Hydroponic raft consists of a rigid Styrofoam platform cut to fit the size of the reservoir and fitted with net pots.

Our raft boards are made from food grade polystyrene, and designed specifically for leaf green crop production. In this style of growing, the nutrient-rich water is circulated through long canals at a depth of about 8 inches while rafts (usually polystyrene) float on top.

Raft systems or DWC (deep water culture) system use a tank with nutrient solution (fertilized either with fish waste or a hydroponic fertilizer. This method is the most common for large commercial Aquaponics growing leafy green crops such as lettuce, kale, chard, mustard, collards, basil, mint and most herbs.



# DUTCH BATAO BUCKETS

A Dutch bucket, the Bato bucket is perhaps the most commonly used container for holding plants in a hydroponic growing system. Bato buckets can be connected easily, allowing hydroponic systems to be scaled to virtually any size needed. These buckets are used for both hydroponics and aquaponics. Feature the ability to use a single watering line and a single drainage line for multiple media beds when lined up together.

**Capacity :** 10 ltrs

**Color :** Black, Granite grey, Granite white, Granite beige

**With siphon and Lid**



**Granite white**



**Black**



**Granite beige**



**Granite grey**

# HYDROPONIC NUTRIENTS

## Complete Hydroponic nutrient -

Formulation for soil less growers. Works with nearly any plant from seedling to full maturity. Package includes Three bottles of nutrients(A,B and C) and instructions for mixing on each bottle.

100 g set makes 166 litres of Complete Hydroponics Nutrients solution

1 Kg set makes 1660 litres of Complete Hydroponics Nutrients solution



Nutrients State : Powder

Contains : All required nutrients with micro nutrient

Available in :

100 gm set (100-50-100) gms

1 Kg set (1-1-1)kg

25 Kg set (25-25-25)kg

## HYDROCURE SOLUTION- To Cure Fungal Infections

A natural way of treating fungus

Power-packed with nutrients that fight against various plant diseases

Provide Growth Promoters to restore the plant vigour

An organic solution to cure the fungal infections affecting Microgreens

Versatile- can be used in all forms of gardening & farming

Best Product to use in Hydroponics farming

Area of Application-

Hydrocure is widely used in Commercial Hydroponics Farms and also in home gardens to effectively treat fungal infections like root rot, powdery mildew, downy mildew, grey mold, rust, early blight, black Sigatoka, rice blast, anthracnose. You can use it in traditional gardens as well to cure fungal infections naturally.

No side-effects





## BOOSTER BLOOM SOLUTION - To Enhance Flowering and Fruiting



- Organic Formulation that boosts flowering & fruiting.
- Ensures nutritious and delicious harvest.
- A natural way of amplifying a plant's growth.
- Booster Bloom, which is known for initiating the flowering and fruiting capacity of your plant organically.

## BOOSTER GROW SOLUTION - To Improves Overall Plant Yield

- 100% natural manure made up of plant extracts that help in quick growth
- Increases nutrient value and flavours of the end-product
- Improves the overall yield.
- Booster Grow is unique organic manure comprised of naturally occurring hormones and nutrients that boosts the process of photosynthesis and accelerates the plant's overall growth.



## BOOSTER NITRO SOLUTION - Boosts Development of Green Leaves



- 100% Organic manure made up of Seaweed extracts
- It reduce nitrogen deficiency in plants
- Increase chlorophyll concentration to promote healthier leaves
- Accelerates the process of germination
- Boosts the development of Green Leaf.
- Booster Nitro reduces Nitrogen Deficiency in plants, increases chlorophyll concentration, and makes their leaves greener.



# WATER TESTING METERS

## 1 EC METER



EC/TDS	
Temperature Compensation	Automatic, 0 to 50°C (32 to 122°F)
EC Calibration	Manual, one point
Dimensions	175 x 41 x 23 mm (6.9 x 1.6 x 0.9")
EC Range	0.00 to 19.99 mS/cm

It has manual calibration facility and it can measure conductivity upto 19.99 mS/cm

Best EC meter for Hydroponics

Graphite electrodes

ATC

Simple one point calibration

Easy to use

Economical

It is widely used for monitoring EC/TDS in drinking water, water conditioning, reverse osmosis, cooling towers, wastewater, laboratories, agriculture, aquaculture and aquariums, hydroponics and the printing industry.

The tester provides fast and accurate pH readings in a rugged and ergonomically designed casing. It has a replaceable electrode and renewable reference junction, which helps prolong the life of this tester.

Measures pH and Temperature

One-touch automatic digital calibration

Water resistant

Simultaneous temperature display

Large LCD display



## 2 PH METER

pH Resolution	0.1 pH
pH Accuracy	±0.1 pH
pH Calibration	Manual, 2 point, through offset and slope trimmers
Dimensions	175 x 41 x 23 mm (6.9 x 1.6 x 0.9")

## 3 PH CALLIBRATION SOLUTION

pH meter calibration powders enable you to test the pH meter and calibrate it. This pH Meter Buffer Solution Powder gives you a no hassle option for the exact amount of buffer solution you need for accurate readings.

Set of Three calibration powder:

pH 4.01 Solution (Potassium Hydrogen Phthalate)

pH 6.86 Solution (Mixed phosphate)

pH 9.18 Solution (Borax)

It makes perfect pH solution so that pH meter can be calibrate.

Fast and accurate results. No need to measure, simply mix with 250 mL of water for each packet.



# HYDROPONICS ACCESSORIES

	Category	Item	Type / Code	Specification
W A T E R  P U M P	Water Pump	Submersible Pump- 5W	sunsun-JQP-500	Head - .9m , Flow - 500L/H
	Water Pump	Submersible Pump - 14W	sunsun-JQP-1000	Head - 1.4m , Flow - 1000L/H
	Water Pump	Submersible Pump - 20W	sunsun-JQP-1500	Head - 1.7m , Flow - 1500L/H
	Water Pump	Submersible Pump - 23W	sunsun-XQP-1500	Head - 1.8m , Flow - 1500L/H
	Water Pump	Submersible Pump - 35W	sunsun-JQP-2500	Head - 2.4m , Flow - 2500L/H
	Water Pump	Submersible Pump - 45W	sunsun-JQP-3000	Head - 2.8m , Flow - 3000L/H
	Water Pump	Submersible Pump - 80W	sunsun-JQP-3500	Head - 3.6m , Flow - 3500L/H
	Water Pump	Submersible Pump - 38W	sunsun-JTP-5800	Head - 5.2m , Flow - 5800L/H
	Water Pump	Submersible Pump - 24W	Sunsun-HQB-2000	Head - 1.8m , Flow - 1400L/H
	Water Pump	Submersible Pump - 40W	Sunsun-HQB-2200	Head - 2.3m , Flow - 1900L/H
A I R  P U M P	Air Pump	Air Pump - Two way 202	Air pump 202	Output count : 2, Flow : 100 lts/H
	Air Pump	Air Pump - one way	AQUA B	Output count : 1, Flow : 200 lts/H
	Air Pump	Air Pump - one way	BOYU	Output count : 1, Flow : 200 lts/H
	Air Pump Accessories	Air Tube Silicon	Export quality	Heavy 100M 2Kg, 4mm
	Air Pump Accessories	Air Controller	Yellow	Air tube controller for 4mm tube
	Air Pump Accessories	Airpipe joints	4mm Tee	Three way joint
	Air Pump Accessories	Non returning valve	SV008 4mmID	Strong, Non Breakable
	Air Pump Accessories	Air stone - 1.5 Inch	Sand Air Stone	Cylindrical
	Air Pump Accessories	Air stone - 2 Inch	Sand Air Stone	Cylindrical
	Air Pump Accessories	Air stone - 3 Inch	Sand Air Stone - Strong	Cylindrical - Brass Nozzle
T I M E R  T E S T E R	Air Pump Accessories	Air stone - 4 Inch	Sand Air Stone - Strong	Cylindrical - Brass Nozzle
	Automation Timer	Digital Timer	For House hold appliance	16 programmable timer
	Automation Timer	Heavy duty Digital Timer	For appliance upto 1 Hp load	32 programmable timer
	Solution tester	HANNA pH meter	pH Meter	HANNA Made
	Solution tester	HANNA EC meter	EC Meter	HANNA Made
	Solution tester	EC Meter White 3 in 1	EC Meter	EC, TDS and Temperature meter
	Solution tester	pH Meter White	pH Meter	Home use
	Solution tester	pH Meter Yellow with 2 callibration	pH Meter	Home use
	Solution tester	pH Callibration powder	Buffered Solution	pH buffered - 4.01, 6.86 and 9.18
	Solution tester			



**AUTOMATION TIMER**



**WATER PUMP**



**AIR STONE-2 inch**



**AIR PUMP**

**WE Hydroponics** believes in “**Grow Your Own Food**”.

WE empower people to grow their own safe, fresh, high quality food with the help of Hydroponic techniques. Hydroponics is considered as farm technology but WE are making it equally adaptable at homes.

Our expertise and technology will assist you in growing fresh, pesticide-free and healthy vegetables at your homes, fields and farmhouses where people can grow their own pesticide free products. Also with our wide range of available system and customised system design one can get stylish vertical, horizontal or hanging garden at almost any portion of their house, café, shops.

WE are here to take technology of hydroponics to our day to day lifestyle. WE aimed for saving water, save environment and help to provide healthy living.



**WE HYDROPONICS™**

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