



# About Us

## What Makes Kaizen Imperial Best Company?

Product Variety, Volume capacity and Long list of satisfied client in India & Internationally, And Today we stand, at this strong position after having achieved a turnover in billions

Just in few years, we have become a leading Importer Exporter and manufacturer of Scientific Instruments

AT the same very moment, we assure you of authenticity of product & supplies you request from us.

All our products are manufactured under stringent quality control & under the expert supervision of trained staff, which have been recognized by most of the quality control labs around the country, qc testing is also performed on every piece. many product are ROHS FCC, ISO, MSME Certified

We are committed to complete customer satisfaction by providing innovative quality products, Value & services we strive to provide a stimulating work environment for our employees & establish measurable quality objectives that are reviewed for suitability & continuous mprovement.

May you have any inquiry for any product, we shall be glad to serve you assure you of our full cooperation in all respect.

## Feedback:

We have tried very hard to build this organization that meets your expectation, however, if you missed something or fall short of your expectation product or services, please feel free to contact us, we continue to look for way to better serve you, your comments are important to us so please take a movement & give us some feedback on your experience.

Remember: We always have Best Price & Best Quality

Kaizen Imperial is looking for Distributors for their Scientific Instruments & Accessories- World Wide

## The Company

- Founded In 2007 & focus on extraordinary Massive Products.
- Looking for worldwide partners & Distributors.
- Manufacturing & manufacturer's representative.

## The Products:

- High Quality Laboratory Accessories Instruments & Equipments Spares.
- Excellent price performance ratio

## The Application:

- All laboratories
- All research institutes
- All Universities

Please contact me to discuss this matter & to make acquaintance with us.

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# Laboratory

## Autoclave Vertical



Outer body made of thick S.Steel finished oven baked enamel. Inner chamber will be thick S.Steel. The chamber is absolutely leak - proof and it can be operated at any selective point in between 5 - 20 pound/Sq. inch. The lid is made of thick mild steel sheet duly lined with S.Steel with pedal lifting arrangements and radial locking devices to work on 220/230 V Ac supply.

## Heating Mantel



Electric heating net in hand knitted from glass yarn and there is no joint to maintain the strength of the yarn and stands high temperature up to 350 degree C.

The body of the mantel is spun one piece from S.Steel duty staving painted. All heating mantles are legged with special mineral wools to work on 220/230 V AC supply.

## B.O.D.INCUBATOR



Double walled chamber with interior walls made of S.Steel. The exterior is made heavy mild steel finished with stoving white enamel. The door is also a double walled construction. The temperature range is from 5 - 60 Degree C, with an accuracy of +/-0.5 Degree C, controlled by Digital temperature controller cum indicator. Temperature

below ambient is maintained by a hermetically sealed Techmumshah/Kirloskar condensing unit/ compressor with complete unit provided at the bottom, Complete with S.Steel Trays, two air circulations fan and unbreakable acrylic transparent, inside door. To work on 220/230 V, single phase AC Supply.



Temperature range up to 90 Degree C. Heating elements are placed in ribs on all the three sides. Doubled walled inner chamber made of anodized S. Steel. Outer chamber of M. Steel duly painted. Door has double glass window to view samples.

Built in Horizontal L shaped thermometer & perforated adjustable shelves. To work on 220/230 V AC. Supplied with or without Air circulating fan.

## Distillation Apparatus Barnstead Type



Its double walled the outer is made of M.Steel painted with white stoving enamel and inner (Boiler) is made of S.Steel. The gap between walls is filled with special grade glass wool to avoid lots of

heat. The condenser is made of S.Steel. The top of boiler is made of S.Steel sheet or Chromium plated die casted gun metal.

## Lab Ball Mill



For mixing and grinding electricity operated. Having capacity up to 1 kg fitted with FHP geared motor with maximum speed of 80 RPM. Jar is made of

aluminum having steel balls of different sizes. Jar is inter-Chargeable and easily removed to operate on 220 V.

## Hot Oven



Outer body made of mild steel is powder coated/painted. Temp. Thermostatically controlled by hydraulic thermostat from 50 degree C. Elements are at the bottom and sides. Built L Shape thermometer.

# Laboratory

## Muffle Furnace



Light weight with ceramic fiber wool insulation (Instead of brick insulation). The distinct feature of perforated sheet is to prevent the temperature control unit from very high heat. Heating elements are made of KANTHAL A1 wire of coil form embedded on the muffle with high grade refractory cement and backed by high temperature cer-

wool insulation which avoids loss of energy. This arrangement will ensure the most uniform kind of distribution of heat. Temp. Control unit consists of energy regulator, fitted in front of furnaces with two pilot lamps. The apparatus is complete with one pyrometer, thermocouple, silver thermal fuse, main lead with power plug to work on 220/230 V.

Size	Rating
100 x 100 x 225 mm	1.5 kw
125 x 125 x 250 mm	2kw
150 x 150 x 300 mm	3kw
200 x 200 x 300 mm	5kw
175 x 175 x 475 mm	5kw

## Orbital Shaking Incubator



Double walled construction. Outer body made of M.Steel painted with white stoving enamel. Inner chamber made of S.Steel with ribs to hold a tray. Shaking platform also made of S.Steel accommodate 16 flask of 500 ml. capacity temp. Controlled by Digital temp.

Controller cum indicator from ambient + 5 - 70 degrees C with an accuracy of +/- 0.5 degree C or better shaking speed can be

controlled by speed regulator fitted with D.C drive and indicated by Digital RPM meter.

## Rotator Shaker Horizontal



Compact bench type model with platform fitted with rubber dics, mounted in ball bearing crank shafts to give an orbital motion to the flask. The motor is coupled by means of V - belt with

pitch pulley is mounted on a heavy and sturdy iron angel frame.

## Seed germinator Single Chamber



Doubled walled chamber with interior walls made of anodized S.Steel. The exterior is made of heavy mild steel finished with stoving white enamel. The temperature is controlled by Digital temperature controller cum indicator from ambient +5 - 50 Degree C , +/-2 Degree C and humidity from 60 - 95 % , +/-3%

controlled by Digital temperature controller with Aluminum/S.Steel trays ( 14 nos.) S.Steel water reservoir with heating element to create humidity inside chamber. To work on 220/230 V, single phase AC supply.

## Shaking Machine (Reciprocation Khan's Type)



Complete with carrier for flask, test tube, racks, bottle etc. Speed are unaffected by normal line voltage fluctuation or loading within specified limit.

Provided with D.C motor & speed regulator for variable speed from 80 - 250 RPM

# Laboratory

## Vacuum Oven



This high tech equipment is carefully designed by our skilled professionals using best grade stainless steel and comes with toughened glass window, vacuum gauge and release valve. Inner chamber made of S.Steel. Temperature range 50 -150 Degree C. Thermostatically Controlled, complete. Complete

with cord & plug but without vacuum pump.

## Ultrasonic Cleaner Bath



Outer is made of stainless steel.  
OPERATING FREQUENCY:  
36 +/- 3 KHz or 22 +/- 3 KHz  
Maximum Temperature Range:  
70o C  
Resolution: 1oC Accuracy: +/-  
2oC  
Sensor: PT - 100 RTD Sensors  
Power supply: 230 V AC 50 Hz.

### Technical Details:

Size In MM	Capacity In Liters	Rating (Watts)
235 x 135 x 65	1.5 Liter	50 W
235 x 135 x 100	2.25 Liter	60 W
235 x 150 x 100	3.3 Liter	100 W
250 x 150 x 150	6.0 Liter	150 W
300 x 165 x 150	8.0 Liter	200 W
300 x 200 x 150	9.0 Liter	250 W

## VDRL Shaker



It has a platform of size 300 x 300 mm and can accommodate blood bottles slides or flasks using a spring holder / Supplied complete with cord and plug to work on 220/230 V AC

## Water Bath



This double walled constructed product is manufactured from the best grade stainless steel and is painted with powder coating. The inner chamber of this equipment is manufactured with concentric rings that

ensure optimum performance.

## PH Meter



PH meters manufactured at our place are absolutely waterproof meters. They are capable to

provide accurate ph measurements in a few seconds. These equipments are available in different specifications as per the client's requirements and they are available in absolutely affordable rates. This product is widely used in sectors i.e. industrial areas, laboratories, aquariums and so on to measure the ph value. The highest quality product and their long durability is our assurance.

## Wrist Action Shaking Machine



The machine is constructed to hold flasks from 100 - 1000 ml. Conical or round bottom. The shaking speed action is variable & controlled by speed regulator fitted with fractional HP Motor. To

work on 220 V AV 50 HZ. Cycle supplied with plug 7 cords.

# Laboratory

## Magnetic Stirrer with Hot Plate

Hotplate Magnetic stirrers are taken into use at various fields such as physical and chemical analysis, bio-pharmaceuticals and many other fields. This product consists of glass ceramic plate which is resistant to corrosion and can be cleaned very easily. We feel proud to be the manufacturer of the finest products all around the world.

### Benefits of Magnetic Stirrer with hot plate:

- Automatic Temperature Control
- Digital Speed Control
- Programmable



## Conductivity Meter



It consists of TDS and manageable temperature compensation to maintain accuracy. It has a function of automatic power

off with disable feature. Complete with Conductivity cell and 39" (1m) cable, 9V battery, and soft case. It requires low maintenance, the convenient design. These Equipments are designed in such a way that they are easy to use even in the harsh environments. They are waterproof and have enough memory to store the data.

### Features of the product

- Reliable
- Long Durability
- User Friendly i.e. easy to use

- Less electricity consumption
- Built in Solution Holders
- Automatic Temperature Compensation
- Large LCD
- Manual Calibration and many more

## Digital Colony Counter

Complete with special pen, which allows marking and counting simultaneously. Counting its retransfer at Digital Panel re-settable solid setting counter, a magnifying glass is provided. A fluorescent light is provided for uniform light illumination.



## Sieve Shaker

This can accommodate up to 7 sieves of 6" to 8" dia and is driven by 1/4 H.P. Electric Motor through reduction gear. Every part of the sieves is utilized by the constant upward and downward movement. The whole gear mechanism runs in oil bath supplied without test sieves suitable for operation on 220 Volt AC.



## Laboratory Stirrers

- Mini Stirrer : Fitted with 1/50 H.P. Motor 1200 RPM without controller complete on adjustable stand.
- Lab Stirrer : with 1/20 H.P. Motor 4000 RPM with speed regulator
- Lab heavy duty stirrer : with 1/4 H.P. Motor with speed regulator



# Hydrology

## Cup Type Water Current Meter

Using a cable with sinking weight or wading rod and will accurately measure stream flow velocities from 0.3 to 3.5 meters per second with cups. (Also available in measuring range up to 6 meter per second) The cup type current meter manufactured as per IS 3910-1966. You can connect this current meter to an automatic counter/Water Velocity Indicator (Sold Separately). The calibration chart provided with the meter gives the velocity in m/sec.



## Pygmy size Water Current Meter



This current meter used with wading rod and will accurately measure shallow stream flow velocities from 0.01 to 3.5 meters per second manufactured as per IS3910-1966. You can connect this

current meter to an Automatic counter/ Water velocity Indicator (sold separately). The calibration chart provided with the meter gives the velocity in m/sec.

## Propeller Type Water Current Meter



This current meter is suspended in the water using a cable with sinking weight or wading rod and will accurately

measure stream flow velocities from 0.3 to 3.5 meters per second with multiple propellers.

### Features:

- Accurate Measurement
- Permanent magnet mounted on its shaft
- Equipped with water velocity indicator

## Universal Water Current Meter

Universal Water Current Meter is the most commonly used instrument in scientific world. The alignment chart catered with the equipments.



Universal Water Current Meter delivers for conviction of current velocities in water courses, canals, rivers and the sea. The equipment wallet will be vigorous interpretation made of Aluminum with locking arrangements. Velocity Range: 0.04 m/s ~ 10 m/s, Meter Material high Quality non-corrosive Brass is being used in body.

## Digital Water Level Recorder



Be benefitted by the great quality water level recorder offering by **kaizen imperial** which consist weather proof enclosure ensuring long life service.

### Features:

- Based on Float Counter Weight type sensor
- Automatically records data in attached data logger
- Ground water Level Management

## Radar Type Water Level recorder



- Non contact type water level measurement
- Suitable for long term unattended installation where boulders or high silts are present in water system
- Automatica

lly recorded data in attached Data Logger

- User programmable logging rate
- lake pond level Analysis
- Irrigation canal

# Hydrology

## Digital Water Level Indicator



Accurate reading, Corrosion resistant electrodes, longer service life and rugged construction are some of the attributes of the product. Reel handles are shaped to fit your hands. Accurate to +1% of reading. Each Water Level

Indicator is supplied with a battery.

## Export Quality Water Level Recorder Indicator



Export Quality water level indicator is a trustworthy instrument for measuring the level of water and total deepness in boreholes, well, reservoirs etc. for the measurement the bob is lowered to the water level. When

touching the level, a sensor effects the illumination of signal lamp. On request, an addition acoustic signal will be released by a buzzer. When the probe is touching the water level there is a conductive connection between the tip of the probe and the sensor- body thereby a circuit of the lamp and the buzzer will be closed

## Clamp On Portable Ultrasonic Flow Meter



Portable ultrasonic flow meter that measures flow rate by calculating the spread time of ultrasonic water in fluids. The product is appreciated for its robust construction, accurate results, trouble free performance, negligible maintenance and much

more.

## Echo Sounder



Our enormous spectrum of echo sounder is favored for easy installation, anxiety free accomplishment, compact design, and flexibility and for its light weight. Proficient uses the product for weighing physical and biological components under water.

## Digital Depth Sounder

The transducer sends high frequency pulses to the bottom of a body of water where these pulses are reflected back and converted to electrical pulses that are amplified and displayed on the easy-to-read LCD. 7-Digit LCD is backlit for night use. These compact depth sounders transport easily and store DC dry cell battery (included) conveniently – they will even slip into a shirt pocket! Powered by a 9V DC dry cell battery (included), the sounders have a battery life of approximately 500 uses and automatically shut off after 10 seconds.



Measuring Range	Minimum Depth 1.8 Feet (0.6m), Maximum Depth 260 Feet ( 79m)
Accuracy	±1%. Frequency, 400 KHz with a 6° beam angle
Display	7-Digit LCD with backlit for night use
Unit of Measure	Feets and Meters
Battery	9V DC dry cell battery (included)
Water Proof	Up To 50 Meters
Dimensions	1.7" x 7.8"
Weight with battery	10 oz

## River staff Gauge

River Staff Gauges are useful for the manual measurement of River/Canal/ Lake water level. Different sizes and types for river staff gauges



## Sediment Silt Sampler (Punjab Type)



Metallic one liter capacity bottle held vertically in the metallic frame at one of a adequate length of pipe with lever attached to the lower end and a flexible wire running with the help of one spring and lever for opening and closing the mouth of bottle fitted with rubber cock during sampling.

## Suspended Solids Indicator



It is a unique system that combines advanced electronics with a solid-state, optical sensor. It is a multi range indicator designed for the measurements of suspended solids in aqueous solution. The microprocessor-based electronic of the indicator provide a high degree of flexibility and ease of use. Data logging and the

ability to download the data directly to a computer are optional features.

## Water Velocity Indicator

Water Velocity Indicator has been designed to measure the Velocity of water in a flowing stream or open Canal.



### Features:

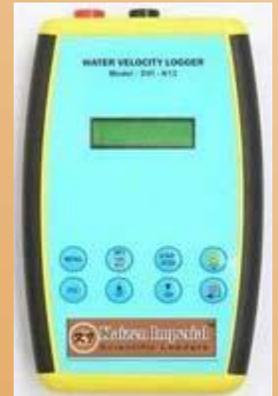
- Microcontroller based
- Storage for 56 reading battery removed
- Retrieval of data through keyboard
- programmable equation with storage
- programmable polarity (+ve or-ve)
- Range of multiplier: 0.0001 to 1.0000.
- Range of constant: 0.0000 to 0.9999

## Specification

- Display: 16x2 LCD
- Key board: 4X1 tectile membrance.
- Velocity range: 0. to 99.99 mtrs/sec
- Resoulution: 0.01 mtrs/sec.
- Power source: two "AA" type batteries
- Back up time: Upto 200 hours.
- Leakage current:<2 micro amp (switched off)

## Water Velocity Logger

This is a small electronic hand-held device that can be used to measure flow velocity from mechanically rotating current meter. A superior feature of the DVI-K13 is its ability to store up-to five current meter data at a time and interface directly to a laptop, pocket PC, or other computing device and provide data in Ms- Excel file format that can be used externally to computer discharge.



## Bottle Sampler

The technologically advanced Bottle Samplers offered by us are widely used to sample data and information collected about weather and climatic changes.



### Features of the product are as follows:

- Made from wear resistant components
- Available in different variants
- Advanced technology
- Easy availability
- Easy to use
- Minimal maintenance
- Competitive pricing

## Automatic Weather Station



Kaizen make automatic weather station is a self contained fully automatic weather data recorder fitted with solar panel & SLA battery based power system, multi- channel high accuracy data logger with power management system contained in a single IP65 waterproof enclosure.

### key Features of kaizen data logger V-Log:

- Accurate real Time clock
- High Memory capacity to record continuously for months to years.
- Internal signal conditioner for various sensors
- Alphanumeric Disply with tactile keypad for viewing sensor data and system setup.
- Data shuttle for easy data tranport in field
- User firendly GUI based software for data download in ASII/MS- Excel format.
- Robust stainless- steel tripod mast for sensor and data-logger Mounting
- Fully Compliant various telemetry options

## Pocket Weather meter

Measure every major environmental condition with this powerful handheld instrument - barometric pressure, altitude, density altitude, temperature, humidity, wind speed, wind chill, dew point, wet bulb, and heat index. Using its chart mode, the can recall and graph up to 250 measurements, along with storage times and dates. Measurements are stored manually at the touch of a button. Measurements can also be automatically stored when the unit is turned off. You can even customize screens so that only selected measurements are displayed. Wind speed can be displayed in knots, meters per second, kilometers per hour, miles per hour, feet per minute, or Beaufort force. Temperature, wind chill, dew point, and heat index are shown in either °C or °F. Relative humidity is

displayed as a percentage, and barometric pressure can be viewed in hector Pascal (mb) or inches mercury. Altitude and density altitude are displayed in meters or feet. A durable hard cover protects the impeller while allowing other functions to be used. Combine the Kestrel 4000 with a portable vane mount and portable tripod (each sold separately) for a data-logging weather station that rotates in even the slightest breeze and is ideal for short-term monitoring. This versatile, waterproof instrument floats, features an easy-to-read backlit display, and has an auto shutdown feature which activates after 15 minutes without a button Press (feature can be disabled). Neck and wrist lanyards, protective pouch, and 2 AAA batteries included.



## Digital Rainfall Recorder



**KAIZEN IMPERIAL** make digital rainfall recorder is a self contained fully automatic rainfall data recorder fitted with solar panel & SLA battery based power system, High accuracy V Log Data Logger, GSM/GPRS based telemetric modern & power management system contained in a single IP65 waterproof enclosure.

## Ordinary Rain Gauge

Ordinary rain gauge is built in accordance to IS: 5225:1969 from non-corrosive fiber glass reinforced plastic

### Key Features:

- 200 sq cm collectors with brass ring and funnel.
- 2 or 4 liter bottle for rain water collection included.
- Measuring cylinder with 0.2 mm graduation.



## Digital Recording Rain Gauge



The alone counter model displays up to 9.99" of rain and can be reset to zero after each rainfall. The dual counter model features both a current counter which records rainfall in hundredths of an inch with a capacity of 9.99". A long-life alkaline battery is included

- Measures Shortwave & Longwave radiation separately for incoming and outgoing.
- Pyrgeometer sensor Measures Longwave or Infrared component of solar radiation.
- Pyrheliometer Sensor Measures Direct Solar Irradiance. Suitable to be used with a solar tracker. First Class compliant as per WMO standards.

## Digital Rain Gauge With In Built Data Logger



The Digital Rain Gauge With In Built Data Logger we offering shows the Operating temperature range from -20°C to 70°C, Time accuracy:  $\pm 1$  minute per month at 25°C, Battery life: one year typical use, Sensors inbuilt are Tipping Bucket Rain Gauge With Read Switch, Resolution and Accuracy: 0.20 mm with 5% up to 100mm / hour and more.

## Automatic Wind Monitor



This is a micro controller based automatic wind monitor reflect state of the art in micro controller based instrumentation design. Both wind speed and direction sensors can be attached with this data logger for the collection of real time data automatically.

## Wind Vane



Wind direction will be measure with a wind vane (see diagraph).wind direction is the compass point from which the wind is coming south, southwest, west etc. the unit of measurement for

wind direction is therefore compass direction. user plot the wind direction for each day of the month on a special graph called a wind rose i.e wind vane is manufacturer as per IS:5799:1970 which indicates the direction of wind at the point of observation.

## Digital Solar Radiation Recorder



Kaizen make Digital Solar Radition Recorder is a self contained fully automatic solar data recorder fitted with solar panel & SLA battery based power system, High accuracy V-Log Data Logger & Power management system contained in a single IP65 waterproof fenclouser.

### Key Features:

- Global Solar Radiation sensor with spectral range 305 to 2800nm.
- Temperature Dependence < 0.1 % with WRR traceable calibration.
- Fully compatible to kaizen telemetry modern for GSM/GPRS up gradation.

### Other Sensors which could be added to this system are:

- 4 Component Net Radiation Sensor

## Cup Counter Anemometer



Cup counter Anemometer is manufacturer as per IS :5912:1970 for measuring wind velocity wind run this instruments measure total run of wind passing at the point of observation through mechanical

counter of the range 0 to 9999.9 km

## Handheld Digital Anemometer



This Instrument comes with dual digital display measures speeds from 5 mph to over 125 mph. the unique tilting head fold flat for store. Water resistant display can be used in heavy rain. Multi-function display, in mph/h. Display current speed plus Average or max speed at the same time. Comfortable viny handle.3 cup rotor does not care which way the unit is pointed (unlike those little

ones that must be pointed into the wind)

## Snow Gauge



Accurately measures fallen snow depths up to 30". Permanently marked, large, white 1/2" graduations on a green background are designed for reading from a distance. Gauge self-adjusts by sliding down the legs to allow for accurate measuring no matter how far the supports are positioned in the ground. Spring steel legs are designed to withstand blizzard-force winds. Weather-resistant corrugated plastic gauge provides years of trouble-free use. Dimensions: 42" x 4" x 1/8"

## Snow Water Equivalent Recorder



Kaizen make snow water Equivalent recorder is a self contained fully automatic SWE data recorder fitted with solar panel & SLA battery based power system, High accuracy V-log data logger & power managment system contained in a single IP65 waterproof enclosure.

### Key Feature

- Corrosion resistant galvanised & painted Evaporation pan & wooden Base
- Tipping bucket sensor with heating arrangement.
- Fully compatible to kaizen telemetry modfern for GSM/GPRS up gradation.

## Digital Evaporation Recorder



Digital Evaporation Recorder manufacture by Kaizen has longer functional life, Low maintenance, Optimum performance, less power consumption and user friendly

design. These features along with customized technical specification as per clients demand give the product a standout in the market. The device monitors water evaporation. All the data recorded can be saved in Microsoft excel format.

## Open Pan Evaporimeter

Kaizen make evaporimeter pan is manufactured as per IS:5973:1970.

### Feature:

- Corrosion Resistant Galvanised & Painted Evaporation Pan with wooden Base
- Pointed gauge with calibrated refill jug for correct evaporation reading.

## Snow Gauge (Mechanical Type)



There is great variety of snow gauge available. The one we offering is of mechanical type used in measuring stick inside a metal jar and core to the earth. This works well for the measurement of Snow Water Equivalent. Accurately measures fallen snow depths up to 30".the product has lost lasting components, easy

maintenance, durable and trouble free use. Its dimensions can be customized as per requirement.



# Meteorology

## Sunshine Recorder



This sun shine recorder basic main components are bowls which are manufactured from bronze and are precisely machined and assembled. the sphere bowl is made uniformed and well annealed and air bubble free glass having good surface finish. the instrument is always supplied with one year recording graph, and standard stenciled curve for comparison.



quality indian wood and accurately assembled with side louvers and supplied available in two sizes: small and large size

## Thermo Hygograph



Display Indoor temperature and humidity, outdoor temperature, Record the maximum and minimum, Deg C and deg F switch and Freeze from -1C to +4C are the key features of Therohygrometer

served by Kaizen Imperials. Temperature Measure Range in room it is 10~+500C(+14~+1220F) and Outdoor it shows 50~+700C(-58~+1580F)

## Thermometers

- Max. & Min. Thermometer
- Wet & Dry Thermometer
- Assaman Psychrometer
- Sling Psychrometer



## Digital Thermo-Hygrometer



Digital Thermo-Hygrometer delivered by our organization display Indoor temperature and humidity, outdoor temperature, record the maximum and minimum temperature and humidity, Deg C and deg F switch and freeze from -1C to +4C.

## Mini Hygrometer

Due to Light in weight, Optimum functionality, User-friendly operations and Durable construction



## Stevenson Screen (Large, Small)

These Screens are manufacturer as per IS:5948:1970 and are suitable for housing thermograph, hydrograph, dry and wet bulb, Thermometer and maximum-Minimum Thermometer. Basically these are manufacturer from best

## Carbon Dioxide Monitor



Max/Min CO2 value recall function, Visible and Audible CO2 warning alarm with relay output for ventilation control, Maintenance free NDIR CO2 sensor are some of the attributes you will notice in our Carbon Dioxide Monitor.

## Pocket Barometer



Pocket Altimeter is the other name for pocket Barometer, English, 100' graduations. Ranges: 0 to 15,000'; 17 to 31.5" Hg. This product Indicates altitude accurately up to 15,000 feet and also displays barometric pressure. Features a weather trend indicator which

predicts fair or stormy weather. Measures 2.25" in diameter.

## Digital Psychrometer



Digital psychrometer manufactured by us shows Humidity, 10% to 90% RH; Temperature (Internal), -4°F to 122°F (-20°C to 50°C); Temperature (External), -4°F to 158°F (-20°C to 70°C); Dew Point, -90.4°F to 122°F (-68.0°C to 49.9°C); Wet Bulb, -6.9°F to 122°F (-21.6°C to 49.9°C). Maximum Resolution: Humidity, 0.1% RH; Temperature (Internal and External), 0.1°.

## Digital Lux Meter

### Features:

- Light Weight
- USB power supply
- High reliability and durability
- Low battery indicator
- Clear display on LCD panel
- Compact Designs
- High accuracy and wide measurement range



## Digital sound level meter



The digital display accurately measures data to 0.1dB. attributes include in the products are Record Mode which stores maximum and minimum levels for later recall and a Max Hold which freezes the maximum reading on the display. Wind screen and 9V battery included. It range from 40 to 130 dB. Accuracy:  $\pm 2$  dB @ 94 dB. Resolution: 0.1 dB. Dimensions: 9" x 2.2" x 1.7".

## GPS Garmin

The GPSMAP 1020xs keyed chart plotter/sonar combo has a 10" color SVGA display and comes preloaded with a worldwide base map. HD-ID, CHIRP and DownVü with CHIRP sonar technology are built-in, allowing you the flexibility to choose from several optional transducers.

### Keyed chart plotter/sonar combo with 10" color SVGA display

- Preloaded worldwide base map
- Built-in Garmin HD-ID™ and supports CHIRP scanning sonar with CHIRP technology



- High-sensitivity internal 10 Hz GPS/GLONASS receiver
- Supports all Garmin marine radar

## Solar Tracker

- The two axis sun tracker V-SOL-2A2P is an all-weather positioning platform used to point specialized instruments/sensors at the sun's movement across the sky. It is fully automatic and does not require a computer or software installation to control the tracking of Sun movement.
- The integrated GPS receiver automatically configures location and time data. An RS-232 port allows for software upgrades. The high- efficiency gear drive system requires no maintenance.
- The tough and distinctive cast aluminum housing has an integrated tripod stand with leveling feet. A side plate with mountings for a pyrheliometer is included as standard and a second side plate can be fitted for an additional pyrheliometer.
- V-SOL-2A2P does not suffer from internal clock drift because time is updated by the GPS receiver.
- V-SOL-2A2P has been designed to provide reliable, affordable sun tracking for small and medium sized payloads. (<30kg) Its accuracy is excellent for solar monitoring applications.
- The built in power supply accepts 12 VDC (from battery) and allows the DC voltage to be used as the backup.
- V-SOL-2A2P is an all weather instrument providing optimal performance even in the harshest climates.
- The V-SOL-2A2P feature high accuracy, resolution and repeatability.



# Soil Testing

## Double Ring Soil Infiltrometer



The double ring Infiltrometer is a simple instrument which is used to determine the infiltration rate of water into the soil. The infiltration rate is determined as the amount of water per surface area and time unit, which penetrates the soil. This rate can be calculated on the basis of the measurements and the

DARCY's law. Several measurements can be executed simultaneously, yielding a very reliable and accurate mean result. As vertically infiltrated water runs away to the side. The outer ring of the Infiltrometer serves as a separation. The measurement exclusively takes place in the inner ring through which the water runs vertically. The instrument consists of two rings, driving plate, for inner and outer rings. The two rings are driven into the ground and partially filled with water. The double ring design helps prevent divergent flow in layered soils. The outer ring acts as a barrier to encourage only vertical flow from the inner ring. The standard set of the double ring Infiltrometer consist of 2 steel rings with different diameters, a hammer, floats, a stainless steel hammering cross and a stopwatch.

## Leaf Wetness Air Temperature & RH Recorder



The system consists of a weatherproof enclosure which contains the data logger and power supply, and comes complete with a solar panel, tripod stand and Leaf Wetness, Air Temperature & Humidity sensors (One Each). For the most accurate disease prediction the leaf wetness sensor, designed to mimic the surface area

of a leaf, use electrical resistance to measure the level of surface moisture on foliage, whether caused by rainfall, dew, or spray. The leaf wetness sensor enables the data logger to detect the presence of surface moisture on foliage and calculate the duration of wetness. When moisture is present, the sensor detects an electrical resistance change between the gold-plated elements of the grid. This is displayed and recorded by the data logger as a value between 0% to 100%. Moisture on foliage and calculate the duration of wetness. When moisture is

present, the sensor detects an electrical resistance change between the gold-plated elements of the grid.

## Soil Moisture & Temperature Recorder



Automatic soil moisture suction & Soil Temperature Recorder is a complete system for monitoring, logging and graphing 7 point Soil moisture & 1 point soil Temperature readings. Automatically reads the sensors, 12v battery powered monitor, battery Charging through Solar Panels, Reading frequency from every minute to every day and adjustable to suit you, 8 sensor

capacity includes temperature probe, In-field display of current reading, download the history to a computer through pocket able data shuttle, monitor current values. Data is saved in Excel format and can be exported.

## Soil Tensiometer Gauge Type

Tensiometer provide a direct measure of the tension at which water is held in soil, and therefore the suction plant roots need to exert in order to extract water. This instrument comprises a water filled tube which is sealed at one end, with a porous ceramic filter at the other end. The specifications of this filter are such that, when buried in soil, it will allow water to flow freely through it, but not air. Tensiometer is available in standard lengths of 15, 30, 45, 60, 90, 120 cm. General use with row tree and field crops. Includes reservoir, air free gauge chamber, and hermetically sealed dial type vacuum gauge with dual scale of millibars (-1000 to 0) and mmHg (-760 to 0) range.



## Soil testing Kit



Soil kits are utilized profitably for soil richness assessment and compost suggestion.

# Soil Testing

## Soil Moisture cum PH meter (Takemura Make)



A sensitive electrode measures pH values from 3.5 to 8, soil moisture from 0 to 100%. Requires no chemical, distilled water, or outside electric power source. Numerous readings can be easily taken over large area. 6-

1/2"L Leather-like case with belt loop and full instructions included. pH Accuracy:  $\pm 0.2$ . Moisture accuracy:  $\pm 10\%$

## Soil Potassium Meter



This Potassium ion tester makes testing potassium extremely easy by simply placing a tiny sample on the meter's flat sensor. Accurate measurements can be taken from a sample as small as 0.3ml. The meter is Designed for general purpose potassium measurements. The Flat sensor technology enables measurements with only a few drops of sample. Measurements are simple, quick, and accurate. Using HORIBA's original flat sensor it can measure sample volumes as low as 0.3mL and uses a very simple 2 point automatic calibration procedure.

## Soil Test Direct Soil Ec Tester



Lightweight and portable, this pocket tester directly measures soil conductivity and temperature. The penetration probe features a built-in temperature sensor, allowing for measurements that are automatically temperature compensated. The conductivity range can be calibrated at one point, and tester calibration is done in a standardized solution. Includes tester, 4.5"

penetration conductivity probe, calibration screwdriver, batteries, and instructions.

## Soil Tensiometer (Imported)

Tensiometer provide a direct measure of the tension at which water is held in soil, and therefore the suction plant roots need to exert in order to extract water. This instrument comprises a water filled tube which is sealed at one end, with a porous ceramic filter at the other end. The specifications of this filter are such that, when buried in



soil, it will allow water to flow freely through it, but not air. Tensiometer is available in standard lengths of 15, 30, 45, 60, 90, 120 cm. General use with row, tree, and field crops. Includes reservoir, air free gauge chamber, and hermetically sealed dial type vacuum gauge with dual

scale of millibars (-1000 to 0) and mmHg (-760 to 0) range.

## Electronic Clinometer

Electronic clinometers provide accurate height and angle measurements quickly and easily. Height measurements can be taken from any distance or position because no fixed distance to the object being measured is required function selection is simple.



## Spherical Crown Densitometer

Accurate one person measurement of tree canopies. Measure forest overstory density from unobstructed sighting position. the instrument uses a spherical shaped reflector mirror engraved with a cross-shaped grid of 24 quarter inch squares. to take readings hold the instrument level, 12" to 18" in front of body and at elbow height.



## Cone penetrometer

Simple and light instrument for measuring static penetration resistance. The thrust force is provided directly by the operator who, by pushing on the T handle, forces the cone into the soil. The encountered resistance is measured on the fitted load ring. Testing is only possible in soils with good consistency and for short depths.

Specifications:-

- 1 cones with 30° cone angle
- 2 KN (200 kg f) load ring
- Road length 45 cm.



## Cloud and Pour



We are established as one of the prominent manufacturers and exporters of Cloud Pour. All these apparatuses are assembled with various cooling bath that are sturdily made by using high quality materials. These apparatuses are extensively used for measuring the cloud and

pour rate of jet fuel, diesel fuel and finished lubricants. Further, we make available the array of Cloud Pour units to our clients at competitive prices.

## Cloud & Pour Point Apparatus



- Cloud Point: The cloud point is the temperature, being a multiple of 2 Degree F (1 Degree C), at which a cloud or haze appears when the oil is cooled under prescribed conditions.
- Pour Point: The pour point is that temperature, being a multiple of 5 Degree F (3 Degree C), which is 5 Degree F (3 Degree C) above the temperature at which the oil just to flow when cooled under prescribed conditions.

## Kinematic Viscometer Bath (Glass Type)

The bath is controlled by digital temperature indicator cum controller. Temp, range above ambient to 100°C, +/-0.5°C, stirring is done by FHP electric motor stirrer. Inner chamber made of S.Steel, for front view toughened glass will be provided. Supplied with tube holder and SS cover but without viscometers.



## Kinematic Viscometer Bath

This instrument contains inner chamber that is made of best grade stainless steel and for front view glass is

provided. These laboratory instruments are widely used for measuring of viscosity of petroleum and in research departments and calibrations.



## Pensky Marten Flash Point Apparatus (Open Type)



This apparatus is made as per IP 34, ASTM D-93 and IS 1448 (Part-1) 1270 (P-21) and IS 1209-1953 method B. The apparatus consists of brass test cup with handle removable cup cover with spring operated rotating shutter having oil test Jet/Gas test jet flame device, stirrer with flexible

shaft. The assembly rests in Air bath which is covered with dome shape metal top. The cup is fitted with insulated handle and locking arrangements near cup fledge. The assemble is kept on round shape electric heater with temp regulator. Suitable for operation on 220 volts.

## Bomb Calorimeter



For determination of heat combustion of organic matter and calorific value and sulphur content of coal, solid and liquid fuels. The bomb has a capacity of 300ml approximately a provided with a high pressure schröder valve.

Tested as per the recruitment of institute of petroleum (IP 12/63T). Supplied with, bomb calorimeter vessel with bomb support, water jacket, combined lid for calorimeter vessel and water jacket, stirrer, connecting leads, connecting tube to connect to bomb and pressure gauge. Connecting tube with fine adjustment valve to connect pressure gauge and oxygen cylinder pressure gauge. Connecting tube spanner for oxygen tube connection, ignition wire (2 meter) Nicrome, cotton reel, stand for unit, pallets press, digital beckman, thermometer benzoic acid, 'O' ring small, 'O' ring for stirrer.

# Petroleum Testing

## Abels oil & Gas Model



This apparatus is suitable for determining the close cup flash point of petroleum and mixtures according to IP-33 and IP-170 and also IS 1448 (Part-I) 1985. It is suitable for oils whose flashes below 70°C. It is supplied with oil cup cover fitted with stirrer thermometer socket S.S. water bath stand. An electric heater is fitted to bottom for operation on 220vAC circuits.

## Dean & Stark apparatus

For estimation of moisture in lubricant oil as per IP-47 Electrically heated..Complete with stand, heating mentalWith energy regulator, clamp, 500ml flask & glass parts



## Chlorophyll Concentration Meter



## Plant Canopy Analyzer<sup>®</sup>



# Kaizen Imperial

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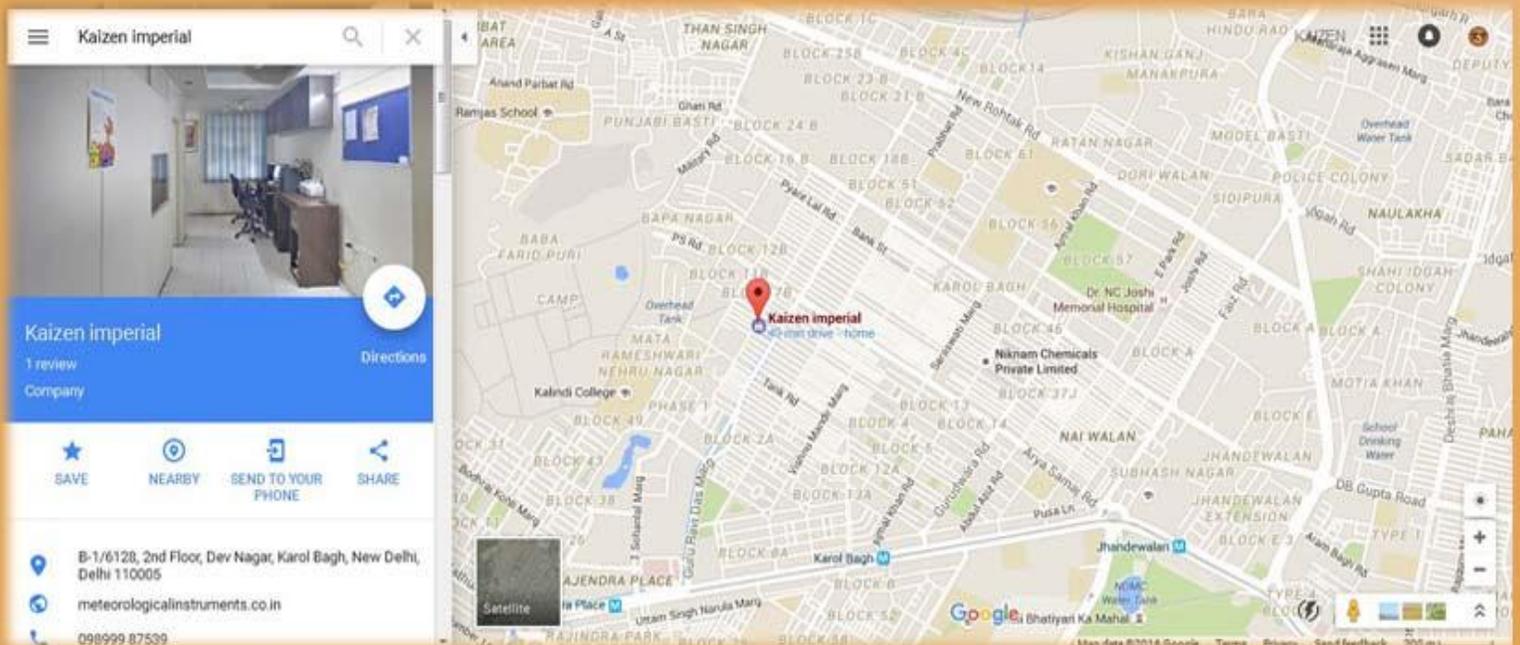
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