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Categories: [Applied Mechanics](#)

Product Description

Technical Specification:

1. Angle Measurement Accuracy: 5 second
2. Magnification: 30X
3. Distance Measurement: 5 km
4. Usage/Application: Survey
5. Field Of View: 1 Degree 30'
6. Data Storages: 50000 points
7. Operating Temperature Range: -20 DegreeC -- 50 Degree C



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Product Description

Technical Specifications:

1. COP of Vapor Compression System Test rig Determination of C.O.P of a Vapor Compression system. 1/3HP capacity Trolley mounted unit with caster wheels
2. Control Panel: Stand Alone Metallic powder coated panel with Caster Wheels.
3. Compressor: Hermetically Sealed, Reciprocating type 1/3 HP with Thermostat Emerson/LG/Voltas/ Equivalent.
4. Condenser : An air cooled condenser of suitable Capacity with Fan
5. Evaporator: An SS, FRP coated copper coiled vessel housed in a metallic chamber with proper insulation
6. Refrigerant: Freon R-134A
7. Energy meter : Energy meter 2.5- 5 Amps, Jaipur Make/equivalent
8. Temperature Indicator : Digital Temperature Indicator, -50 to 150°C with TSS
9. Thermocouples: Teflon coated Cr -Al (K-type)-5 no.
10. Flow Visualization : Sight Glass

Semi Automatic Industrial Lathe Machine

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Product Description

Technical Specifications:

1. Machine Type: Floor Lathe
2. Max Swing Over Bed: >1500 mm
3. Max Spindle Speed: >4000 rpm
4. Max Turning Diameter: >2500 mm



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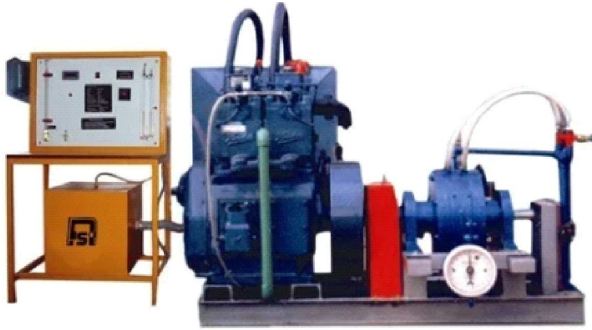
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Product Description

Technical Specifications:

1. Size: 16"
2. Stroke (Adjustable): 250mm No.of Stroke pe minute: 70($\pm 5\%$)
3. Electric motor: 3 H.P.
4. R.P.M: 1440
5. Blade Size: 22" x 2 x 24" x 2"
6. Capacity of round bar: 16"
7. Capacity of square bar: 14"
8. Length & Breath: 51" x 15"



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Product Description

Four Cylinder Petrol Engine, with MPFI System complete with ECU, starter. Capacity 1200 cc, Output Power 73 hp @ 6000 RPM, Torque 100 N-M

1. Dynamometer Options: Eddy current dynamometer: Water Cooled, Capacity 30 kW with electronic controller.
2. Calorimeter: Shell & Tube type Heat Exchanger
3. Air Box: Made in M.S. with damper & Orifice Plate
4. Morse Test Arrangement: Switches to cut off ignition or fuel supply of each cylinder.
5. Instrumentation Console: Load cell with digital indicator for Load Measurement, Range 0-50 Kg - Non-contact type sensor with Digital indicator for Engine speed, Range 0-9999 RPM - U Tube Differential Manometer for Air, Range 0-300 mm - 'K' Type Thermocouples & 8 channel digital temperature indicator, Range 0-600 °C Volumetric Fuel Measurement Unit with digital indicator - Rotameter for water, Range 100-1000 LPH-2 No's



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Product Description

1. Engine: 4-stroke, diesel engine, water cooled , 5 hp capacity Loading: Mechanical rope brake, electrical loading or eddy current dynamo meter Change of compression ratio facility by engine head tilt mechanism with pre calibrated compression ratio scale 2. Instrumentation: RPM indicator, temperature indicator, fuel flue burette, mono meter with air box fitted with orifices plate, load indicator & diesel tank mounted on control panel 3. Rota meter for measurement of water flow rate to engine head Exhaust gas calorie meter for heat balance sheet 4. Engine & dynamo meter mounted on MS channel sturdy frame with anti vibration mount

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Product Description

Apochromatic stereo telescope system with 8:1 zoom manually both sides operating up to 8 Positions Click Stops **Technical Specification :-** Optics : CMO Type Objective : 1.0x (FWD) 60 mm Eye Piece : 10x Total Magnification : 80x to 300x Resolution : 801 lp/mm Binocular tube : inclination of 35° Photo tube : 100/100 or 50/50 with observation Profile column : 480 mm (10kg load capacity) Transilluminators : Flat LED Reflected Light : Double Spot Illuminator K LED Camera Adapter : C-Mount Light : LED Fluorescence **Camera :-** Type : Colour camera Pixel count : 3840*2160 (8 Megapixels) Exposure range : 0.06 ms to 1 Frame rate : 30 fps Spetral sensitivity : 400 nm – 700 nm Resolution : 4k Drive :USB flash drive Applications :digital classroom Interfaces : HDMI, USB 3.0 Type Source : Microscope, camera and synchronization of the system **SPARE :-** Software :Image acquisition Computer : i7 processor,16 GB RAM,1TB SSD, 2GB Graphics, 24" LED Monitor, **Accessories :-** * Warranty Certificate * Power Cable & Plug *



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eyepieces (WF10X or WF15X) with adjustable eyecups for eyeglass wearers. **Objective Lenses:-** Typically, stereo microscopes have interchangeable objective lenses or continuous zoom lenses. Ensure they provide clear, distortion-free images. **Illumination:** Bright and adjustable LED illumination, preferably with incident (top) and transmitted (bottom) lighting options for different specimen types. **Camera Compatibility:** Check if the microscope is compatible with digital cameras for image capture. It should have a camera port or a dedicated trinocular head for camera attachment. **Camera Specifications:** Consider the camera resolution, sensor size, and connectivity options (USB, HDMI, Wi-Fi) depending on your imaging and documentation needs. **Stand:** A stable and adjustable stand with coarse and fine focus adjustments for precise focusing. **Software:** Optional but beneficial, microscope software for image capture, measurement, and analysis.

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Product Description

Definition :- Specifically designed for growth of the Algae in flasks. It provides adequate space with controlled temperature, humidity and light conditions. **Specification :-** Volume : 600 Liters Illumination : Four Tier LED Light Type : Horizontal shape Inner Working area : 2m² . Access Port : 1.25" One CO₂ range : 1 to 10 % Interface : Graphical interface Controller : Programmable controller Sensor inputs : Three wires RTD sensor inputs Plant growth height : 30 cm on each tier Temperature : 15° to 45°C (±0.5°C) Safety : Alarm, the controller shut down the chamber and restart when the temp returns to normal system restart automatically when the internal temp is normal. Touch screen controller : High definition IPS (1280 x 800) Monitoring : Microprocessor Based Touch Screen for real time monitoring. Display : Trend graphs Display directly on screen for both Set-point and Actual conditions Programs : Display current set-points and process values, alarm status, alarm settings, program operation mode,



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Air circulation inside chamber adjustable air diffuser - Lift-off hinge design allows for simple removal of door - Top Mounted Air-cooled condensing unit with hot gas bypass system - Ceiling mounted evaporator coil incorporates twin air circulation fans - Solenoid valves have extended stem for quiet and long-life operation. - The system restart automatically when the internal temp is normal. - One door providing full access to chamber interior, magnetic gasket, with observation window in front of door with light cover - The LED light cool white in color. - Tier Light Measured @6" From Lamp Bank. - Run 24 hour multi-steps program in ramping mode, non-ramping mode, run non-24 hours program in elapsed time - Sequence multi-step programs, Dual experiment protection, two calibration offsets per input channel, Light lifetime maintenance activated - The accumulated hours can be reset for each output - Three wires RTD sensor inputs, visible alarm displays with audible buzzer - Power failure event logging - Ambient temperature monitoring - Digital lighting control, troubleshooting with up front Diagnostics Menu - Uniform Light Intensity programmable from 15 to 100% dimmable 300μmoles - Shelf and light canopy adjustable in ½" increments also removable without any tool. - Temperature safety alarm, the controller shut down the chamber and restart when the temp returns to normal. **Accessories :-** - Power socket 15 Amp -2Nos - CO2 Cylinder - Co2 Regulator - Voltage stabilizer - Cord & plug - Warranty Card - Instruction Manual

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Product Description

Technical Details :- Carrying Trolley : Made of Mild Steel Size : 15x15 cm wheels : 6-inch diameter Tank : Stainless Steel Tank Capacity : 12 Ltr Tank Material : Made of Stainless Steel Filler Neck : Filler neck at the top of tank to top up and fill oil to tank Drain Plug : Drain plug at the bottom of the tank to empty Dip Stick : Stainless steel dipstick is used to check the oil level of the tank. Air Pressure Nozzle : Air pressure nozzles fitted on the top of the steel tank Air pressure : up to 60 PSI Relief Valve : Relief valve fitted on the top of the steel tank to relieve the air pressure automatically Pressure Gauge : Pressure gauge of 63 mm diameter Output Connection : Output connection from the topside of the tank Hydraulic Filter : Hydraulic filter of 03 microns Hand Pump : Hand pump to pressurise the storage tank up to 60 PSI **Features :-** * Cylindrical shape with 30 cm diameter and 45 cm length approximately. * The cap provided air tight with rubber seal. * The range of 100 PSI fitted at the top of the tank to monitor tank pressure. * Flame resistant with stainless steel braided length up to 10 metre **SPARES INCLUDING :-** * Power cable and Plug * Instruction Manual * Warranty Card



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Product Description

Description :- - The controller features a display that is easy to read at any angle during transport. - Display for air and skin temperature help you maintain, control and provide essential information about the infant's thermal support. - Microprocessor controlled system with air and skin modes of operation. - Display both temperatures i. e. Air/Skin temp along with Set temp. - Soft touch operation with digital display and extensive alarms. **Technical Data :-**

Type : Trolley mounted Battery backup : 6 hrs Holding capacity : 2 Oxygen cylinders O2 concentration range : 25-75 % Internal noise level : 45db Standards : ISO 9001 & ISO 13485

Alarm : Patient temperature, Air temperature, Probe failure and System failure alarm **Features**

:- - Sliding bed and 3 access doors for ease of access for patient care - Transparent double wall hood to decrease radiant heat loss. - Access ports for IV, respiratory tubings and monitor cables - Air filter capability to remove 99% airborne particles - Able to work with ambulance battery - CE, IEC 60601 certified

Accessories :- - Plug & Cable - Instruction Manual - Warranty Card



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Product Description

Technical Specification :- Weighing Plate Depth : 240 mm Linearity : ± 0.15 g Dimensions : 350 x 390 x 120 mm (WxDxH) Weighing Plate : 340 x 240 mm (WxD) Maximum Load Capacity : 8 kg Plug Type : Universal Readability : 0.05 g Reproducibility : 0.05 g Auxiliary Energy : Battery/mains connection Adjusting Program : External Weight of Balance : 7 kg Display : LCD for easy reading Housing : Robust plastic die-cast, ensuring durability

Features :- * Pre-Tare Function the container weight, enabling direct net weight measurements * Enables remote control and data transfer to external devices and computers, * Optional Battery Operation: Supports 4 x 1.5 V AA batteries for up to 20 hours Streamlining operations * Interface Adaptability with a KUP interface adapter for data transmission to networks, PCs, and other devices without opening the scale housing

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Product Description

Specification :- Capacity : 60 g Readability : 0.01mg Repeatability : 0.03mg Max Linearity : 0.1mg Pan size (WxD) : Ø 80mm Stabilization Time : 6 Sec Calibration : Internal Display : Touch screen Power Supply : 100 – 240 V~, -10% | +10%, 50 – 60 Hz, 0.2 A Interface : mini USB

Interface Features :- * Rectangular all Glass Draft Shield opening from three sides * Level Indicator Level indication on front display * Easy to clean and operation

SPARES

ACCESSORIES :- * Instruction Manual * Power Plug & Cable * Warranty Card