



ELECTRICAL ELECTRONICS EQUIPMENT



AQUIPMENTS LIST FOR IS STANDARDS: 616,13252, 10322

IMPULSE GENERATOR



DESCRIPTION: The impulse voltages generator is used to test the strength of electric power equipment against lightning and switching surges, its described in different models like as:

- 2pp.5 kV
- 10 kV
- 15 kV
- 33 kV

STANDARD IS:616,13252,10322

SPECIFICATION:

- Supplying voltage: 230V AC, 50Hz / other optional
- Power consumption: 650 VA
- Output voltage : surge 400V-12kV, adjustable
- Touch Screen : HMI (Voltage acquisition & control)
- HV oscilloscope probe : Maxpp. 1500 V, 300 Mhz
- Capacitor 1 μ F, 15KV
- BNC output 25:1
- On Customized

AC POWER SUPPLY



DESCRIPTION: Supplies 0-600v AC of current, enough for most experiments, It is most useful equipments and effective on any electrical lab or Industries environment, A circuit breaker system which protect to guard against harmful fluctuations and eliminate fuse changes

STANDARD IS:616,13252,10322

SPECIFICATION:

- Input Power: 220V AC,50Hz
- Output Voltage: 0-300,600 VAC
- Current Rating: 5A,10A,15A, upto 60AmpDigital
- display(Voltage ,current)
- On Customized



POWER ANALYZER



DESCRIPTION: Outstanding accuracy of Input Power: 220 V Ac ,50Hz of range,
Large and clearly arranged touch screen GUI for intuitive handling easy to operation for quick and easy familiarization, full automatic excellent power measurements instruments from standby available in single instrument without mechanical changespp.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Input Power :220 V Ac ,50Hz
- Output Voltage :0-300 VAC,50Hz
- Current Rating: 10A ,20Amp
- Digital display: Power factor, Apparent power,
- Reactive power, Active power, current
- Data acquisition of power ,voltage, current, power factor
- Real time Graph Plot

TOUCH CURRENT TEST



DESCRIPTION: A leakage current tester, is used to perform leakage current (or called touch current) tests on medical electrical and general purpose electric & electronic equipment is taking a leakage current testing in compliance with the specific standards or regulations such as IECpp.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Portable or Hand-Held Class 1: Opp.75mA or less
- Class 1 Heating Appliances: Opp.75mA per kW, maximum 5mA
- Other Class 1 (including IT): 3pp.5mA or less
- lass 2: Opp.25mA
- Class 3 equipment: Opp.5mA
- Auxilary power supply: 220VAC/50Hz
- On Customized

TEMPERATURE DATA LOGGER



DESCRIPTION: A Temperature Data Logger is an electronic measuring instrument used to continuously monitor, scan, and record temperature values from multiple sensor channels over time. It accepts inputs from thermocouples (commonly Type K/J/T), displays real-time temperature digitally, and logs data sequentially for analysis, validation, and compliance testing. The system features multi-channel scanning, high accuracy, stable long-term operation, and is widely used in environmental chambers, ovens, furnaces, product testing, and laboratory applications..

STANDARD IS:616,13252,10322

SPECIFICATION:

- Cuff pressure range: 10 to 430 mmHg
- Timer: Dual Timer Range from 9 hrs to 59 minutes
- Internal least count: one minute , Internal 1/1000second
- Pressure Regulation: Maintains set pressure under leak conditions.
- Backup: 3 hours battery backup (on full charge)
- Power: 230V(AC)/50Hz \pm 10%
- Cuffs: Different sizes of five cuffs- washable & easy fitting(pediatric, small, Medium, big & large).



DC REGULATED POWER SUPPLY



DESCRIPTION: Electronic Laboratory most valuable reliable, most accurate, fully specified, guaranteed and an efficient Power Supply Equipment, DC Power Supply also regulates the voltage to eliminate spikes and surges common in most electrical systemspp. It's used in various fields such as education, research, design and automated testingpp.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Input Power : 220VAC/50Hz
- Output voltage:0-30V DC
- Current Rating: 0-10 A Upto 60Amp and 60volt
- Digital Display: Voltage ,Current

TOUCH LEAKAGE CURRENT APPARATUS



DESCRIPTION: Touch Leakage Current Apparatus is designed to measure the current that may flow through accessible conductive parts of electrical equipment when touched by a person. It simulates human body impedance using a standardized measuring network and evaluates touch current under normal and single-fault conditions. The apparatus features a digital display, automated test functions, pass/fail indication, and built-in safety protections, and is used to verify compliance with IEC/IS electrical safety standards.

SPECIFICATION:

- Material: Stainless Steel
- Packaging Type: Box
- Automation Grade: Automatic
- Frequency (Hz): 50-60 Hz
- Ac Voltage (V): 230V
- Phase: Single Phase

UPS BACKFEED TESTER



DESCRIPTION: We are professional manufacturer of Ups test equipment, specializing in researching, manufacturing and marketing our test equipmentpp. Its described like as:

STANDARD IS:616,13252,10322

SPECIFICATION:

- Back feed test
- Load Linear type only upto 10KVA(RLC)
- Short interruption and immunity test



DIGITAL TORQUE TESTER



DESCRIPTION: Torque Tester is a precision instrument used to measure the tightening or loosening torque of screws, caps, knobs, and mechanical fasteners. It provides accurate digital torque readings to ensure components meet specified torque limits for safety, quality, and reliability. The tester features a digital display, easy operation, stable housing, and is widely used in electrical, automotive, appliance, and quality control applications.

STANDARD IS:616,13252,10322

SPECIFICATION:

Screw thread holder attachment(e14)-as per instrument
Bayonet cap holder attachment(b22d)-as per instrument
Screw thread holder attachment(e27)-as per instrument
Degree protector-range 0-90°, I.c:0.1°

HUMMIDITY CHAMBER



DESCRIPTION: A Humidity Test Chamber is an environmental testing system designed to simulate controlled temperature and relative humidity conditions for evaluating the performance, reliability, and durability of materials, components, and products under accelerated climatic stress.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Capacity: Ranging from approximately 92 liters to over 1000 literspp.
- Temperature Range: Often from below 0°C to +150°Cpp.
- Humidity Range: Typically up to 98% relative humiditypp.
- Features: May include a touchscreen controller, automatic defrost function, and stainless steel constructionpp.

HOT AIR OVEN



DESCRIPTION: The oven operates by heating air through electric resistance heaters. The heated air is uniformly circulated inside the chamber using a blower/fan system, ensuring consistent temperature distribution. Temperature is precisely controlled by a PID/microprocessor-based controller with feedback from a PT-100 temperature sensor.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Capacity: 250 Litre
- Temperature range: +5°C to 200°C
- Control accuracy: ±0.5°C
- Uniformity: ±2.0 at 100.0°C
- Minimum 3 nos. of shelves with height adjustable in 25 mm steps
- Glass window in-built into the door for easy viewing of samples
- Automatic cut-off of heater & blower when door is opened
- Digital PID temperature controller with timer, alarms and auto-tuning
- Aerodynamic internal design for achieving horizontal air circulation
- Solid and plain bottom without electricals
- Outer body made of G.I. epoxy coated
- Inner body made of stainless steel with clear bottom



TEST FINGER/PROBE

DESCRIPTION: Being a leading firm in this industry, we are deeply engaged in offering a high-quality range of IP 2X Test Finger Test Probe As Per IEC 60529 .

STANDARD IS:616,13252,10322



SPECIFICATION:

According to :
IEC 61032:1997
IEC 60529:2001 and UL

Test Probe A is necessary appliance for household and similar electrical appliance of against electric shock protection test

- Thickness of Guard 04 mm
- Diameter of Handle 10 mm
- Diameter of Guard 45 mm
- Length of Handle 100 mm
- Provided 4mm hole in handle for measuring voltage and for attaching force guage
- Refer to standard:- IEC 61032 figure 1 (Test probe A)

DUST CHAMBER



DESCRIPTION: DUST CHAMBER is intended for determining the degree of protection against deposits of dust (IP5X) and against ingress of dust (IP6X)pp. Dust protected enclosures to numeral 5 allow a limited quantity of dust to penetrate under certain conditionspp. Dusttight enclosures to numeral 6 do not allow any dust to penetratepp.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Auxiliary Supply:220v, 50Hz, Single Phase
- Power Consumption: Max 2500VA
- Heater: 150w
- Depression Turbine: 1100VA
- Dust Curculation Turbine: 1100VA
- Airflow Totalizer:
 - ±0.06-10m3/h,
 - ±3% for flow from 0.06m3/h to 0.12m3/h
 - ±2% for flow from 0.12m3/h to 10m3/h
- Airflow totalizer: 0.016-6m3/h, ±3%
- Depression Sensor: 0-50mbar=4.20 max. permissible 200mbar
Depression Instrument: accuracy-0.5%
 - Timer: Selec-0.9999h
 - Inner Diamension:
 - Width 1200mm
 - Depth 1200mm
 - Height 1200mm
- Control System: Fully Automatic Touch Screen

TUMBLING BARREL TEST APPARATUS



DESCRIPTION. Tumbling Barrel Apparatus is specially designed and manufactured for use in laboratories involved in testing Appliances, Electrical Accessories, Luminaries and other related Electro technical products. It is used to perform the test specified in many standards to determine compliance with safety requirements, particularly mechanical strength of test samples. SCR Elektroniks Makes Counter to count ON/OFF of Limit switch.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Drop Height: 500 mm.
- Base Plate: 3 mm thick Steel Plate.
- Rotation Speed : 10 Falls per minute (5 rpm).
- Control: Digital Pre Set Counter, 4 digits, with battery back-up.
- Sensor: Non contact Inductive Proximity Sensor, 12 mm diameter.
- Indicator: Power ON, Barrel ON, End of Test (Audible beeper).
- Access: Through sliding acrylic cover with magnetic latch & key lock..
- Drive: AC Induction motor, geared, with reduction pulley and V-Belt..
- Power: 110 V AC, 50/60 Hz single phase.
- Safety Fuse : 2 Amp., slow blow, glass cartridge, 35 x 6 mm.
- Dimension : 450 mm W x 750 mm D x 1000 mm H approximate.

Spring Impact Hammer Tester



DESCRIPTION: The tester operates on a spring-loaded impact mechanism. When the spring is compressed to a defined position and released, it delivers a repeatable impact energy to the test surface through a hardened steel hammer. The impact energy is accurately controlled by the spring compression distance, ensuring consistent and standardized test conditions.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Product Type: Impact Testing Machine
- Model Name/Number: RISME22
- Automation Grade: Manual
- Capacity: 0.7j
- Brand: Ram Incredible Solution
- Voltage: 230V



Comparative Tracking Index Test Apparatus



DESCRIPTION: The apparatus operates by applying an AC test voltage between two platinum electrodes placed on the surface of a test specimen at a specified spacing. A standard electrolyte solution (ammonium chloride) is allowed to drip at controlled intervals onto the specimen surface. The voltage is gradually increased until tracking failure occurs, defined by sustained arcing or surface breakdown. The highest voltage at which the material withstands 50 drops without tracking is recorded as the CTI value

STANDARD IS:616,13252,10322

SPECIFICATION:

- Packaging Type: Box
- Display Type: Digital
- Power Supply: Electrical
- Voltage (V): 220V
- Phase: Single Phase
- Country of Origin: Made in India

Dry Arc Resistance Tester



DESCRIPTION: A Dry Arc Resistance Tester is an electrical testing instrument used to determine the resistance of insulating materials to surface degradation caused by high-voltage arcing under dry conditions.

The tester applies a controlled high-voltage AC arc between electrodes placed on the specimen surface. The time taken to form a continuous conductive path or surface breakdown is measured and recorded as the material's dry arc resistance, indicating its suitability for electrical insulation applications

STANDARD IS:616,13252,10322

SPECIFICATION:

- Brand: Ram Incredible Solution
- Country of Origin: Made In India
- Input supply: 220VAC, 50Hz
- Output Voltage: 1-15KV AC \pm 10%
- Voltage display: On screen
- Control: Touch screen control By PLC
- Standard: MAST D495
- Electrode: Titanium
- Voltage control: Automatic Voltage control
- Current: Low current
- Test automatically stops when door is open.

Axial Pull Tester

DESCRIPTION: It operates through a motorized or manual loading mechanism with a calibrated load cell, ensuring accurate measurement of the maximum pull force. The tester is commonly used to verify the mechanical integrity and retention strength of assemblies.

An Axial Pull Tester is a mechanical testing device used to measure the axial pull-out force or tensile strength of components by applying a controlled axial load until separation or failure occurs.

STANDARD IS:616,13252,10322



Axial Pull Tester

SPECIFICATION:

- Usage/Application: Laboratory
- Capacity: 0100 N
- Material: Mild Steel
- Display Type: Digital
- Brand: RIS
- Operating Mode: Manual



Dielectric Strength Tester

DESCRIPTION: A Dielectric Strength Tester is an electrical safety testing instrument used to determine the insulation strength of materials and electrical equipment by applying a high AC or DC voltage between conductive parts and measuring the ability of the insulation to withstand breakdown. The tester applies a controlled, gradually increasing test voltage for a specified duration while monitoring leakage current. Breakdown or flashover voltage indicates the dielectric strength of the test specimen.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Usage/Application: Industrial
- Brand: RIS
- Country of Origin: Made in India



Needle Flame Test Apparatus

DESCRIPTION: A Needle Flame Test Apparatus is a fire safety testing instrument used to evaluate the resistance of materials and electrical components to small open-flame ignition hazards. The ignition behavior, flame spread, and self-extinguishing time are observed to assess fire risk.

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- Flammability testing of plastic parts, enclosures, wiring insulation, and electrical components

STANDARD IS:616,13252,10322

SPECIFICATION:

- Material: Mild Steel
- Model Name/Number: RISEC02
- Display Type: Digital
- Power Supply: 220VAC, 50Hz
- Angle of Burner: Incline With 45 Degree
- Time of Start Burning: 0-999.9 -0.1s Adjust (30s in)



High Voltage Breakdown Tester



DESCRIPTION: A High Voltage Breakdown Tester is an electrical testing instrument used to determine the breakdown voltage and dielectric withstand capability of insulating materials and electrical components by applying a controlled high-voltage AC or DC stress until insulation failure occurs

STANDARD IS:616,13252,10322

SPECIFICATION:

- Model Name/Number: RISEC29
- Usage/Application: Insulation Testing
- Brand: RIS
- Power Supply: 220VAC, 50Hz
- Timer: 60 Sec Counts For Pass And Fail (Timer Adjustable)
- Output: 0-5 Kv Output Ac (Adjustable)

AC Power Supply



DESCRIPTION: It converts incoming mains power into a stable, regulated AC output with protection against over-voltage, over-current, and short-circuit, ensuring safe and reliable operation during testing.

An AC Power Supply is an electrical equipment used to provide a controlled and adjustable alternating current (AC) voltage and frequency for testing, operation, and calibration of electrical and electronic devices.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Usage/Application: Electronic Instruments
- Brand: RIS
- Input Voltage: 220 V AC
- Display Type: Digital
- Frequency: 50Hz
- Output Voltage: 110-300VAC

WATER BATH

DESCRIPTION: A Water Bath is a laboratory heating equipment designed to maintain samples at a controlled and uniform temperature using heated water. It features a corrosion-resistant inner tank, insulated outer body, digital temperature controller, and safety cut-off, ensuring accurate, stable, and safe temperature conditioning for laboratory and industrial applications.

STANDARD IS:616,13252,10322



SURGE GENERATOR



DIGITAL RESISTANCE TESTER



SOLID STATE MILLION MEGOHM METER

SPECIFICATION:

- Thermofisher water bath 5 ltr
- Temp. Range-ambient to 55 °
- Thermofisher water bath 10 ltr
- Temp.range-ambient to 55°
- Make: ram incredible solution

DESCRIPTION: A 15 kV Surge Generator is a high-voltage test system used to apply controlled lightning/surge impulse voltages to electrical and electronic equipment. It simulates transient over-voltage conditions to verify insulation strength, surge immunity, and compliance with safety and EMC standards. The unit features adjustable output voltage up to 15 kV, defined surge waveforms, integrated safety interlocks, emergency stop, and measurement interfaces for monitoring and analysis during testing.

STANDARD IS:616,13252,10322

- **SPECIFICATION:**
- Supply Voltage: 220V, 50Hz
- Power Consumption: 650VA
- Output Voltage: 12kV
- Minimum Charge Time 1 second
- Usage: Testing surge protection devices and electrical equipment.
- Dimensions: 40x40x50cm (approx)
- Weight: 30kg (approx)
- Safety Standards: IEC 61000-4-5
- Features: High Voltage, Fast Charging, Custom Output, Reliable Testing, Compact Design

DESCRIPTION: A compact, handheld instrument used to measure electrical resistance accurately in conductors, components, and materials. Features include digital display, auto-ranging, high resolution, and data hold. Provides precise low-resistance and insulation measurements with safety protections against overloads. Battery operated and compliant with standard testing norms.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Measurement Type: Typically measures resistance, sometimes insulation.
- Resistance Range: Can vary widely, but ranges like up to 20KΩ or 0-to 10kΩ are common for certain models.
- Display Type: Digital display for easy reading.
- Test Parameters: May involve specific open circuit voltage and test current, such as 5V and 0.1mA respectively.

DESCRIPTION: Testing insulation resistance of components like plastic capacitors, insulators, switches, and transformers. Suitable for high voltage equipment maintenance and commissioning.

STANDARD IS:616,13252,10322



SPECIFICATION:

- 1m ω -1000m ω
- Accuracy: +/- 5%
- Power supply: ac 220v
- Dimensions: 150x100x200mm
- Weight: 3kg
- Material: abs plastic
- Usage: testing insulation resistance of components like plastic capacitors, insulators, switches, and transformers. Suitable for high voltage equipment maintenance and commissioning.
- Features: high accuracy, easy operation, wide range, durable design, reliable readings, insulation testing

CARD FLEXING TEST APPARATUS



DESCRIPTION: Cord Flexing Tester is used to evaluate the mechanical endurance and electrical safety of flexible cords and power supply cables by subjecting them to repeated bending under a specified load. The apparatus simulates real-life flexing conditions to detect conductor breakage, insulation damage, or electrical failure, ensuring compliance with safety standards for electrical appliances and cords.

STANDARD IS:616,13252,10322

SPECIFICATION:

- Test Function: Repeated flexing/bending of flexible cords
- Flexing Angle: Adjustable (typically $\pm 45^\circ$, $\pm 60^\circ$, $\pm 90^\circ$ as per standard)
- Flexing Speed: Adjustable, approx. 10–60 cycles/min
- Number of Stations: Single / Multi-station (optional)
- Load Weights: As per standard requirement (interchangeable weights)
- Counter: Digital preset cycle counter with auto-stop
- Power Supply: 220–240 V AC, 50 Hz
- Control Panel: Digital display with start/stop and emergency stop
- Mounting: Rigid clamping system for secure cord holding
- Safety Features: Overload protection, emergency stop switch
- Construction: Heavy-duty powder-coated steel body

SALT SPRAY TESTER

DESCRIPTION: Salt Spray Tester is a corrosion testing chamber used to evaluate the resistance of metallic and coated materials to corrosive environments. It generates a controlled salt mist (NaCl solution) inside a sealed chamber at specified temperature and pressure conditions to simulate accelerated corrosion as per international standards. The system features precise temperature control, uniform fog distribution, programmable test cycles, and corrosion-resistant construction for reliable and repeatable test results.

STANDARD IS:616,13252,10322



SPECIFICATION:

1. Control method: Fully automatic by PLC
 2. Working Volume : 480L
 3. Dimension: 1200mm x 800mm x 500mm
 4. Power Requirements: 220/230V, 50Hz, single phase
 6. Temperature Range salt: 35°C to 47°C $\pm 1^\circ\text{C}$
Water test
 7. Corrosion resistant : 50°C to 63°C
Test
 8. Humidity Range : 95%RH $\pm 3\%$
 10. Salt fog fallout rate: 1 ~ 2ml per 80cm² per hour
 11. Compressed Air pressure: 1.00 ± 0.01 kgf/cm²
 12. Spray Pressure : 0.8 - 2 kgf/cm²
- Fully automatic by PLC

Ram Incredibly Solution



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