



SM Engineers India



- ❖ Pressure
- ❖ Temperature
- ❖ Level
- ❖ Flow
- ❖ Generation
- ❖ Transmission
- ❖ Protection
- ❖ Distribution

Pressure :



Gauges

- Dial : 1", 1.5", 2", 2.5", 4", 6", 10"
- Range : -1(-760) to 2500 Kg/ccm2
- Bourdon Sensing Pressure Gauge
- Master Pressure Gauges
- Differential Pressure Gauges
- Absolute Pressure Gauge
- Flow Indicator
- High Static Pressure Gauge



Switches

- Indicating Pressure Switch
- Miro-switch & Electric Contact
- Indicating Pr. Switch (Inductive/Namur switch)
- Indication Low Range Pressure Switch
- Indicating Differential Pressure Switch
- Range (-600) mmwc to 400 Kg/cm2
- Blind Pressure Switch with Diaphragm/ Bellow/Piston
- Pr. Switch with Chemical / Diaphragm Seal nit
- Weather Proof with Aluminium & SS Enclosure
- Flame Proof with Aluminium Enclosure
- Digital Pressure Switch



Transmitters

- Pressure Transmitter
- Range 100 mbar to 600 bar
- Digital Pressure Gauges - Piezo Resistive
- Super imposed signal for HART protocol
- Continuous Pressure Transmitter for Process control systems
- Digital Communication
- Differential Pressure Transmitter
- Absolute Pressure Transmitter
- Gauge pressure transmitters



Positioner & I/P Converter

- Actuators : Electrical, Pneumatic, Service
- Pneumatic Positioner with 3-15psi input
- Electro-Pneumatic Positioner with 4-20mA input Fail Safe
- Digital positioner Position Master
- Advance performance, flameproof enclosure with HART communication
- I/P converters without & with booster storage
- Electrical Actuators - Rotary, Linear
- Pneumatic Actuator - Rotary, Linear
- Linear Transducer LVDT Linear Postion Sensors
- Distance sensors
- Photo Electric Sensors



Fitting, Tube & Accessories

- Snubber, Syphon, Gauge Saver, Adopter
- 2 / 3 way Gauge Cock
- Ball Valve, Needle Valve
- 2 / 3 / 5 Valve Manifold (for DP Instruments)
- Flushing Rings
- Instrument Cooling Tower
- SS Tube
- Instruments Fitting SS & Brass

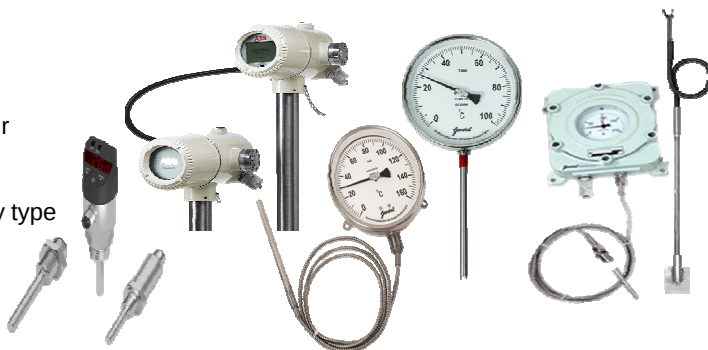




Temperature :

Dial Thermometer

- Bimetal, Gas & Silicon Filled Dial Thermometer
- Skin Type Thermometer
- Dial Size : 100mm, 150mm, 250 mm
- Range : (-) 200 to 800°C, Stem type / Capillary type
- Blind Temperature Switch
- Field-mounted Temp. Transmitter, High Temp.
- Screw-in thermometer
- Temperature Transmitter



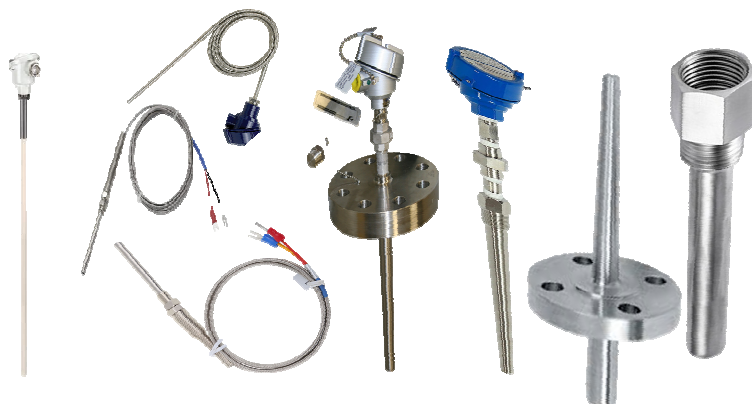
Temp. Transmitter & RTD

- Digital Temperature Dial Thermometer
- Input : RTD, TC (J&K), Resistance, Millivolt (0-100mV)
- Battery operated, Class Protection IP65, IP67
- Head / Rail Mounted Temp. Transmitter
- Smart Temperature Transmitter
- RTD Assembly, Range : (-) 100 to 400°C
- PRT Range : (-) 200 to 850°C
- Bearing Temperature RTD
- RTD with weld pad & Cable
- Fully spring Loaded RTD for vibration



Thermocouple – Thermowell

- Thermocouple Assembly
- Thermocouple with Protection Tube
- Bearing Temperature Thermocouple
- Quick Response Thermocouple
- Type : B, R&S, N&K, E, J, T, C
- Bar stock Threaded Thermowell
- Straight, Taper, Stepped Thermowell
- Vanstone type Thermowell
- Silicon Thermowell, Carbide Thermowell
- Cermet (LT-1) Thermowell
- Solid Sintered Tungsten Carbide
- High temperature Thermometer



Level :

Gauge & Transmitter

- Transparent Level Gauge, Reflex Level Gauges
- Tubular Level Gauges, Magnetic Level Gauges
- Float & Tape Level Gauge, Float & Board Level Gauges
- Level Transmitter Chambers for Guided wave
- Radar Level Transmitters
- Direct Insert & External Chamber type
- Guided wave Level Transmitter, Laser Level Transmitter.
- Ultrasonic Level Transmitter (Battery operated also)
- Non-Contact Radar Level Transmitter
- Guided wave Radar Transmitter
- Continuous level transmitter
- Two wire capacitance Liquid Level Transmitter
- Hydrostatic Liquid Level Transmitter
- Ultrasonic Level Transmitter



Flow:



Flow Meters

- Electromagnetic Flow meters
- Turbine Flowmeter – Insertion / Inline Liquid
- Turbine Flow meter - Hygienic Service
- Custody Transfer Turbine Flowmeter
- Inline Fuel Gas Turbine Flowmeter
- Smart Digital water meter
- Orifice and Orifice Assemblies
- Flow Nozzles, Venturi Tubes
- Averaging Pitot Tube, Wedge Flow Meter
- Flow Straighteners and Flow Condition
- Sight Flow Indicator
- Ultrasonic Flow meter (Clamp on type also)
- Two wire type Ultrasonic Flow meter
- Air Flow Gauge Suitable for compressed air Flow
- DP Flowmeter for compressed air Flow
- Coriolis mass flowmeters
- Calibration Pots
- Thermal Mass Flowmeters
- Vortex flowmeter
- Electronic flow switch with display
- Rota Meter all Type



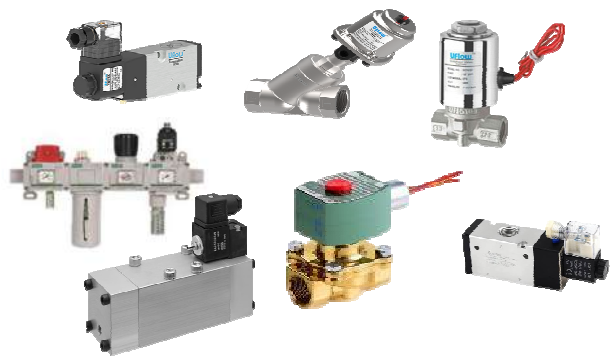
Switches

- Vibration Fork Point Level Switch for liquid
- Level Switches Displacer type, Level Switches Multiport Level
- Top Mounted Level Switches
- Capacitance Point Level Switch
- Conductive Point Level Switch
- Admittance Point Level Switch
- Magnetic Float Level Switch
- Proximity Switch



Valves & Actuator

- Ball Valve, Angle Seat Valve
- Needle Valve – Integral / Screwed Bonnet
- Multi Port Gauge Valve
- Solenoid Valve 2 way / 3 way , Pneumatic Actuator
- Manifold – 2 / 3/4/5 valve
- Butterfly Valve
- Diaphragm Operated Solenoid Valve
- Pilot operated Solenoid Valve
- Direct Acting Solenoid Valve
- Pulse Jet Angle Type Dust Collector
- Directional Control Valves - Discrete
- Positional Male Elbow
- Piston Valves – Rugged & High Flow
- FRL – Modular series & Robust Design



Indicator Totaliser

- Digital Panel Meter with Bar-Graph Indicator
- Flow Indicator Totaliser
- Single Input Process Indicator
- Single Input Process Indicator dual display
- Flow Indicator Totalizer
- Integral Flow Indicator, Totaliser, Transmitter
- Jumbo Indicator

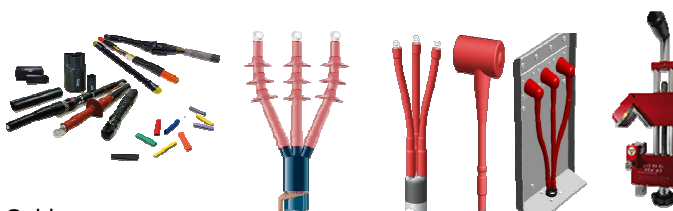




Cable & Accessories

Cable Jointing Kit

- Core : 1 Core – 4 Core
- Size : 4 Sqmm to 1000 Sqmm
- Voltage : 1.1 KV to 560 KV
- Joint : Indoor , Outdoor, Straight
- Cable Type : XLPE, PVC, PILC, Mining , AB Cable.
- Cable Insulation Chamfering Tool for Insulation cleaning



High Voltage Tape & Sleeves

- High Voltage Self Amul gating Tapes
- Glass Tape & Sealing Tapes
- High Voltage Bus Bar / Cable Sleeves
- Cable Outer Insulation Repairer Kit
- Conductor cover



Cable Gland, Lug & Ferule

- Long / Short Barrel Aluminum Lug / Ferule
- Long / Short Barrel Copper Lug / Ferule
- Customized Copper Lug / Bimetal Lug
- Bimetal Sheet & Strips
- Cable Gland Metal & Flame Proof
- Cable Gland PVC



Power , Control & Instrument Cables

- Trailing Cable, Submersible Flat Cable
- Rubber Cable, Welding Cable
- Domestic wires including FR, FRLS-H, ZHFR
- CRD Cables (Continuous Reeling & De-Reeling Cables)
- EPR Trailing Cables for Lift & Cranes
- Double Armour Power Cables
- Mining, Kynner & Aerial Bunch Cables
- Automation & Instrumentation Cables
- Silicon Rubber Cables
- P.T.F.E. & E.T.F.E. Insulated Cables
- Thermocouple Cables
- High Temperature Cables
- Fire alarm & Communication Cables
- Foundation field Bus Cables
- Power Cables, Control Cables (HT & LT)
- Instrumentation & Signal Cables
- Data Cables, Fire Survival Cables
- Ethernet , Profibus Cable



CT, PT & Panel Accessories

- Resin Cast CT Indoor / Outdoor
- Cast Resin, Tape wound , CBCT
- Outdoor Current Voltage Transformer
- Control Transformer
- AC Reactor & Line Chokes
- Alarm Annunciator & Hooter
- Panel Meters: V, I, Hz, W, RPM
- Signal Conditioner & convertor
- SMPS & power supply Module





Medium, High Voltage System :

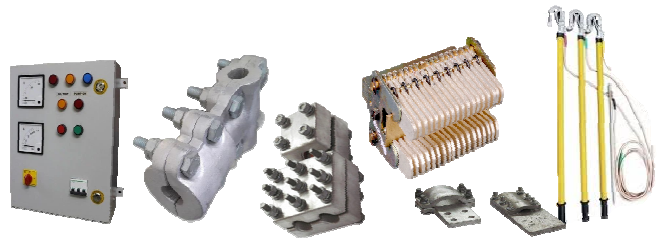
Panel , Switchyard Equipment

- Current Transformer : 11 KV to 800 kV
- CVT : 72.5 kV to 1200 kV
- IVT : 11 kV to 420 kV
- SF6 Circuit Breaker : 33 kV to 800 kV
- Isolator : 33 kV to 245 kV
- Lightening arrestor : 150 V to 1200 KV
- Solid Core Station Post Insulator: up to 1200 KV
- Transmission Insulator : Suspension/Pin/Post
- VCB – Indoor / outdoor : 11 to 33 KV
- RMU (11-36 KV) & GIS (Indoor) : 11 to 36 KV
- Vacuum Contractor / Interrupter : 11 to 36 KV
- HV Bushing, Epoxy Bushing, Condenser Bushing
- Grading Capacitor & Coupling Capacitor : 145 -245 KV
- Auto recloser & Sectionalized : 11 to 36 KV
- Volt25 kV Railway Switch (RDSO)
- Condenser Bushing : 145 kV to 800 kV
- Grading Capacitor : 145 kV
- Coupling Capacitor : 145 kV to 245 kV
- Soft Starter (3.3-12 KV AC) : 100KW – 20 MW



Spare Parts, Accessories

- CT, PT, LA, Transformer Terminal Connector
- Switchyard Hardwar, Cast Resin Transformers
- Spare Parts of Switch Gear LT , HT, EHV
- CT, PT, LA, Transformer Terminal Connector
- Switchyard Hardwar, Earthing Road
- Solenoids Actuators, LV, MV Metering Panel
- SMC, DMC Components



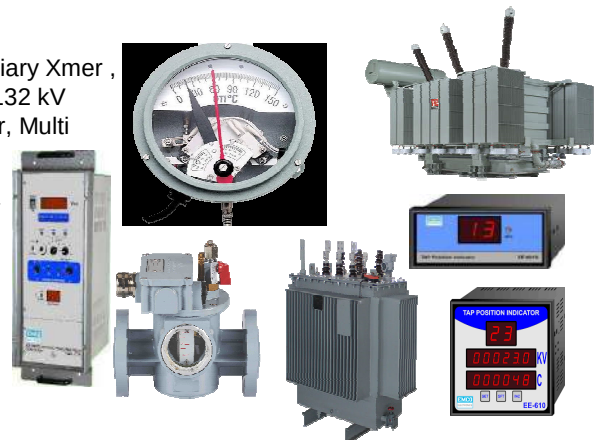
Capacitor, Harmonics Filter

- APFC Panel : 11 to 36 KV
- Capacitor Bank : 11 to 36 KV
- LV APP Capacitor : 5 - 50 KVAR, 380 to 1000
- Capacitor switch : 11 to 36 KV
- Harmonics Filter : 50 KVR – 4000 KVR



Transformer & Accessories

- Low Power Xmer, Generator Xmer, Station Xmer, Unit Auxiliary Xmer , Multi winding Xmer, System Xmer Range : 4 - 50 MVA 11 - 132 kV
- Distribution Transformer : Industrial Xmer, Sub Station Xmer, Multi winding Xmer Range : 315 KVA -4 MVA, 3.3 - 33 kV
- Bio Transformer : 250 - 50 MVA, 3.3 kV -132 kV
- Dry Transformer (VPI /Cast Resin) : 100 - 10 MVA , 33kV
- Solar Transformer (Inverter Duty) :10 MVA , 33 kV
- Locomotive Transformer : 5.4 MV, 25 kV
- Servo Voltage Stabilizer , Voltage Stabilizer
- Tap Position Indicator, Parallel Control Unit
- Automatic Voltage Regulating Relay
- Buchholz Relay, Silica Zel & silica Zel pot





Testing Instruments

Testing - Electrical

- Insulating Oil Tester, Current Injection Tester
- Circuit Breaker Analyser
- Surge Arrester Leakage current Analyser
- Insulation Resistance Tester
- Transformer Winding Resistance Tester
- Ten Delta Tester, Contact Resistance Tester
- Transformer Turn Ratio Meter
- Automatic Relay Tester, High Voltage Testers)
- Hipot Tester AC, DC, AC & DC
- Timer Interval Meter
- On-Load Tap Changer
- Condition Monitoring Sensors



Testing - Instruments

- Digital Clamp Metre
- Infrared Thermometer
- Digital Anemometer
- Contact Thermometer
- Digital Lux meter
- Loop Calibrator
- PH/ORP Transmitter
- Dissolved Oxygen Transmitter
- Conductivity Transmitter
- Ultrasonic Thickness Gauges



Dealer - Channel Partner - Re Seller :



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