







Ajmer Thermotech Pvt. Ltd.



- -Thermocouples
- -RTD's
- -PID Controller
- -Indicators
- -Cables
- -Controllers
- -Transmitters
- -Pressure
- -Level
- -Flow
- -Heaters
- -Gas Analyzers
- -Gauges
- -Burners

ISO 9001:2015 & **CE** certified manufacturer, Catering 1200+ customers worldwide









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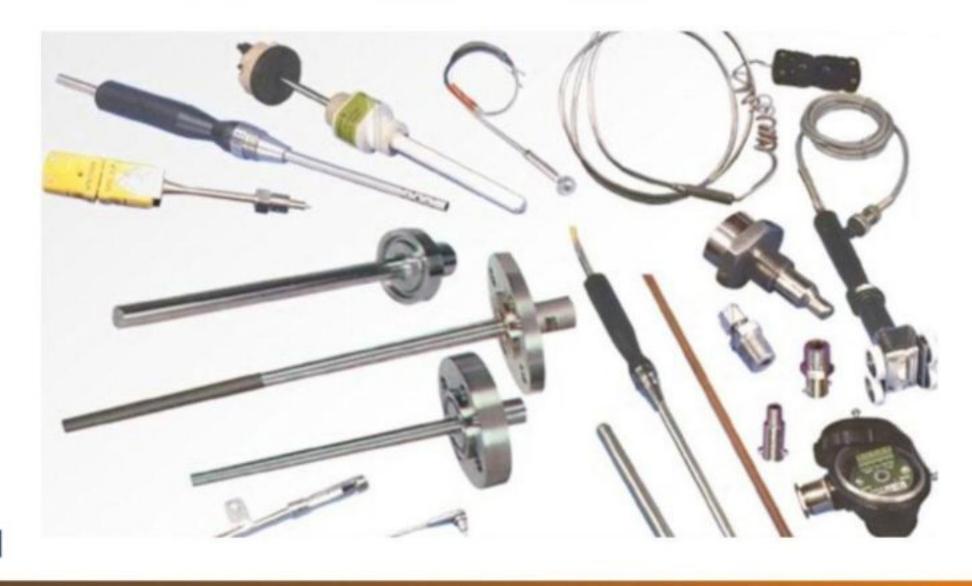


High Tempereature Thermocouples

- Steatite Ceramic terminal block with nickle plated terminals
- ◆ Die cast Aluminium/S.S. mounting head & adjustable flange.
- Ceramic protection tube Type KER 610 with 60%, 80%, Al2O3.
- Holding tubes made of SS 304/SS 316 of 32mm, 25mm, 20mm dia are used to hold ceramic sheath with head.
- Type KER 710 recrystalised high alumina tube with 99.9% Al2O3 available in 24mm, 20mm, 15mm, 12mm, 10mm, 8mm, 6mm dia.
- ◆ Type 'R' (Pt. Rh. 13% Pt.) & Type 'S' (Pt. Rh. 10% Pt.) Are used to measure temperature upto 1400°C/1600°C maximum.
- ◆ Type 'B' (Pt. Rh 6% Pt. Rh 30% or Pt. 18) are for temp. Upto 1800°C max. Thermoelement pair is protected by two or three ceramic sheaths of various types depending upon working Temperature and environmental conditions. Color monitor(800 X 600)

Low Temperature Thermocouple & RTDs

- ◆ Thermocouple type 'J' (iron-constantant or Fe-K) for temperature upto 800°C.
- Thermocouple type 'K' (cromel alumel or Cr.Al or Ni.cr-Ni) are temperature upto 1000°C /1200°C maximum.
- Resistance Temperature Detector (RTD) type (PT-10, PT-50, PT-100, PT-200, PT-1000 & CU-53) to measure temperature from -400°C to 600°C.
- All sensors available in metalic protection sheath &
 Thermowell made of SS 304, SS 316, SS310, HRS 446, inconel 600/800 with insulation by ceramic beads, hand-filled mgo & MI





Digital Indicators, Scanners & On-Off Controllers

- Available in 48 X 96 mm2, 72 X 72 mm2, 96 X 96 mm2, 96 X
 192 mm2 size.
- Multichannel Temp. Scanner with 8 channel, 16 channel, 32 channel inputs
- Digital on-off, Propostional, PD type temperature controllers with single/double set point having 5 Amp, 230 V AC relay output.
- ♦ Widest range of single/multi channel, linearised Temperature ndicators with micro controller chip with 0.5",1" 2, & 4" Display
- Separate display for ch. No & temp., auto manual switch and RS 485/RS 232 communication port.

Digital Autotune PID Controllers

- ◆ Control Output : Servomotor, On-Off Relay, 4 to 20 mA
- Programmable profile controller with 16 segment Ramp –Sock program
- ♦ Alarm Output : upto two alarm, 230 VAC, 3 Amp Relay
- Fuzzy Logic PID Controllers with Universal Input (Thermocouple / RTD / 4 to 20 mA)
- ♦ Size: 48 X 48 mm2, 48 X 96 mm2, 96 X 48 mm2, 96 X 96 mm2
- Additional features: Remote set point, Retransmission output, Serial Communication RS 485/RS 232





Portable Infrared Thermometers & Optical Pyrometers

- Portable Thermometers are available in Different Temp. Range:
 -30 to 400° c, -20 to 600° c, 0 to 800° c, 0 to 1000° c, 0 to 1500° c,
 200 to 1800° c, 600 to 3000° c
- Infrared Thermometer measure the surface temperature of an object. It's optics sense emitted, reflacted and transmitted energy which is collected & focused on a detector. It's electronics translate information into a temperature reading which is displayed on the unit.
- ♦ Low cost Disappearing filament type oprical pyrometer are avaible in 700 to 3500° c range.







Digital Counters & Timers

- Hardware keylock to operate instrument only by authorised user
- Micro controller based design with
- Builtin Battery Back up to store data when Power supply is off.
- Universal Timers with Sec, Min, Hrs. selectable from front keyboard.
- Cyclic timers available for special applications.
- ♦ Power Supply: 230 V, 440 V AC
- Size: 96 X 96 mm

PLC, HMI, & SCADA

- Remote monitoring and control module
- ♦ Enhanced Touch Panel (HMI) in monochrome, Color, white on blue LCD with 4" to 15" size.
- ♦ Extremely cost effective analog I/Os. Modbus, TCP/IP and ethernet IP, Devicenet, Profibus option. Text Panel & Touch Panel with built in PLC
- High end Modular PLC with 8-96 local I/O expandable upto2048. Total programe /data memory 64 k, Fast scantime 3ms for 1k instruction
- SCADA Software with multi- channel scanner provides an operator Interface in a window environment for real time supervision, historic trend & alarm management & all the data





Digital Portable Pressure Indicator

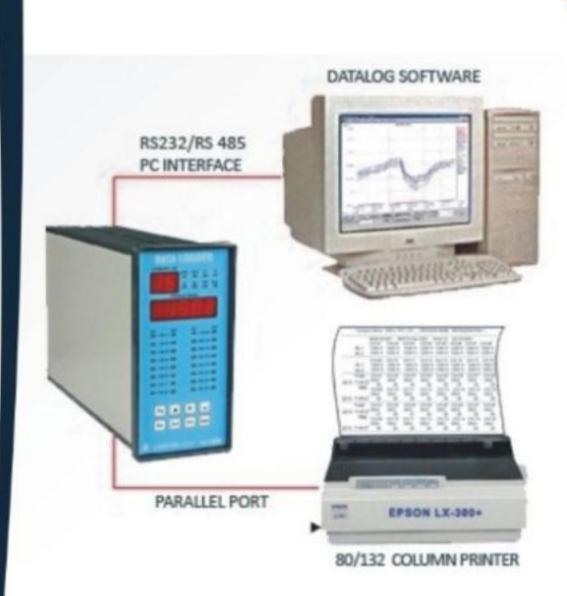
- ◆ Avilable in 0 to 1400 mm H2O (Accuracy: +/- 0.1 mm)
- Highly Accurate, Rugged instrument for high temperature Air up to 600 C With IP 67 Protective body
- Digital Manometer have twin inputs for gauges or differential Pressure & negative or positive (Vaccum) Pressure Measurement.
- Selectable Pressure Units PSI, mBar, bar, in H2O, in Hg, mm Hg, Torr, Pa, Kpa, mm H2O, cm H2O, Kg/Cm2
- Adjustable Zero Value
- Max, Min Pressure & Hold Function



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Our Client telly includes more than 1200 customers worldwide...

Iron & Steel | Ceramic Plants | Glass | Powerlooms Laboratories Cement | Petro Chemicals Thermal Power Plant | Foundries | Refractory Fertilizers Other Manufacturing Units | Heat Treatment



Computerised Data Logging Systems

- Multi channel Data logger in universal fix type input with 8/16/32 channels
- ♦ Each Channel can store 3000 readings, 128 KB Capacity
- RS 232 / 485 Serial port with modbus, RTD protocol
- Historical Graph & online trend available.
- Parallel centronic port for direct printing
- ♦ PC Based Data Acquisition Software
- ♦ 24 Hrs. Format database available for excel report generation.
- Logged data is saved as different database
- System requirement : PIII, P4, 128/256 MB Ram 5 GB Hard disk Win 98/2000/Xp. 1 serial & parallel port, 1 CD-ROM , Color monitor(800 X 600)

Instrumentation & Compensating Cable

- Heavy duty,rugged and easily available.
- Single pair to multipair armered/unarmered cable
- Conductor Size: 3/24 SWG, 3/26 SWG, 7/36,14/36 SWG etc.
- Insulation: PVC/PVC, Fiber glass /FG/SS(Shilded),
 FG/FG/Asbestose, Teflon, Silicon Rubber, TRS etc.



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