75
Azadi Ka
Amrit Mahotsav

Cement & Power Industry

PARSHVI
TECHNOLOGY (INDIA) PVT. LTD.

Represented by :

PARSHVI
TECHNOLOGY (INDIA) PVT. LTD.

Non-Contact Infrared Temperature Sensor

Model : PyroMini (Make : Calex)

Specification :
- ❖ High-ambient sensing heads withstand up to 180°C
- ❖ Field of view optics : 20:1
- ❖ Temperature range : 0 to 500°C
  (other on request)
- ❖ Output : 4-20 mA, 4 wire
- ❖ Without display
- ❖ Cable length : 1 meter (other on Request)

Application : Clinker Cooler Outlet Temperature

Non-Contact Infrared Temperature Sensor

Model : PC151 (Make : Calex)

Specification :
- ❖ Temperature range : 0 to 500°C
- ❖ Output : 2 wire, 4-20mA
- ❖ Accuracy : +1% of reading or +1°C,
  whichever is greater
- ❖ Supply voltage : 24 V DC (28 V DC max)
- ❖ Cable length : 1 meter

Application :
- ❖ Fluid coupling temperature measurement
- ❖ Rolling mill shell body temperature measurement
- ❖ Critical motor surface temperature measurement
- ❖ Condition monitoring of rotating equipment
- ❖ Material temperature monitoring on conveyor belt

Non-Contact Infrared Temperature Sensor for Multi-Channel Systems

Make : Calex

Specification :
- ❖ RS-485 Modbus interface
- ❖ Measures temperatures from -20°C to 1000°C
- ❖ For use in ambient temperatures of up to 120°C
  without cooling
- ❖ Compatible with third-party RS-485 Modbus
  Master devices, or Calex touch screen interface
- ❖ 6-channel temperature display with configuration,
  alarms and data logging
- ❖ Analogue and alarm relay outputs via optional modules
- ❖ Build larger systems using the PM180's separate
  Modbus Master and Slave interfaces

Application : Coal temperature measurement on conveyor belt
- ❖ Condition monitoring of conveyor belt gear shaft
- ❖ Bus bar joints temperature monitoring

Universal Temperature Transmitter

Model : 2000.035.015 (Make : Pixsys)

Specification :
- ❖ Programming : Wireless with mobile application (no wiring required)
- ❖ Input : Thermocouple/ RTD
- ❖ Output : 4...20mA loop powered
- ❖ Power supply : Operating range 6-32 Vdc
- ❖ Connection : Screw pins
- ❖ Fixing : On DIN/ B head
- ❖ Galvanic isolation   ❖ 3600 points data logger

DIN Rail Mounted Temperature Transmitter

Model : DCL 33 (Make : Shinko)

Specification :
- ❖ Multi-input : total 18 types of input
- ❖ Loop break alarm output
- ❖ Compact design
- ❖ Galvanic isolation 1.5 kV
- ❖ Sampling time 125 ms
- ❖ User-Friendly operation & configuration
- ❖ Password protection for configuration
- ❖ Calibration of transmitter by key pad

Application :
- ❖ Digital Safety Temperature Limiter
- ❖ DIN Rail Mounted Temperature Transmitter

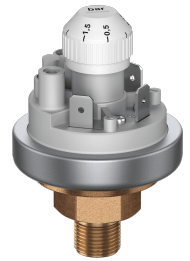## Adjustable / Gas/ Vacuum Pressure Switch

Model : 901P (Make : Beck GmbH)

Specification :
- ❖ Pressure range -700 mbar to 12 bar
- ❖ Max. operating pressure : 25 bar
- ❖ Switch type : 1 - SPDT
- ❖ Protection class : IP65

Application
- ❖ Utility
- ❖ Boiler
- ❖ Pump control
- ❖ Gas pressure measurement

Digital Pressure Switch Cum Transmitter

Model : DST400 (Make: Pixsys s.r.l)

Specification :
- ❖ Range : -1 to 400 bar (other on request)
- ❖ Outputs : 2 x digital transistor PNP max 500 mA
- ❖ 1 x analog selectable 4..20 mA / 0..10 V
- ❖ Process connection: 1/4" thread
- ❖ Display : 4 Digit 1..3 decimal points
- ❖ Protection class : IP65
- ❖ 3600 points data logger
- ❖ Pressure unit selectable : Bar, Psi, MPa, kPa, inWC, mmWC
- ❖ Configuration very easy and can done through mobile application

Application : Hydraulic power pack/Utility

DP Switch & Transmitter in Aluminum IP68 Enclosure

Specification :
- ❖ Range : 0 ... 500 mmWC (other on request)
- ❖ Supply voltage : 18 ... 30 VDC
- ❖ Output : 4 ... 20 mA, 2-wire
- ❖ Process connection P1 and P2 : Stainless steel -Hose pipe
  connection with 4 / 6 mm OD / 1/2" NPT also available
- ❖ Display : Optional
- ❖ Accuracy : 0.5% of FS

Digital Differential Pressure Transmitter

Model : PS17 (Make : Halstrup-walcher GmbH)

Specification :
- ❖ Pressure range : 1 kPa/2.5 kPa/5 kPa/10 kPa (selectable)
- ❖ Supply voltage: 15 ... 32 VDC, two-wire
- ❖ Output : 4 ... 20 mA
- ❖ Protection class : IP67
- ❖ Operating temperature : 0 ... 50°C
- ❖ Pressure ports for tubing : NW 4 or 6 mm
- ❖ Display : 3 1/2 digits

Application :
- ❖ Bag filter pressure monitoring
- ❖ Draft pressure monitoring
- ❖ Fan/blower flow monitoring

Digital Differential Pressure Transmitter

Model : 985M (Make : Beck GmbH)

Specification :
- ❖ Range : 0 ... 250 mmWC / 0 ... 500 mmWC
- ❖ Supply voltage : 18 ... 30 VAC / VDC
- ❖ Output : 4 ... 20 mA or 0 ... 10 V, 3 wire
- ❖ With switching output
- ❖ Linearity : ≤ ±0.5% FS, min. ±1 Pa
- ❖ Working temperature : -20 ... 70°C
- ❖ Protection class : IP65
- ❖ Display : Optional
- ❖ Process connection P1 and P2 : Stainless steel -Hose pipe
  connection with 4 / 6 mm outer diameter

Application :
- ❖ Draft Pressure Measurement
- ❖ Bag Filter Pressure Monitoring
- ❖ Fan/ Blower Flow Monitoring

Digital Differential Pressure Gauge with 2 Relay Outputs

Model : 990M (Make : Beck GmbH)

Specification :
- Pressure range : 0-500 mmWC (other on request)
- Pressure unit : Pascal (kPa); mbar; mmWC
- Power supply : Screw terminals 24 VAC/VDC
- Output : 4 ... 20 mA or 0 ... 10 V, 3-wire
- Switching output : Two adjustable relay switching outputs with a maximum switching capacity of 250VAC/5A
- Display : Red 7-segment LED display, -4 figure
- Accuracy : ≤ ± 1% of FS
- Process connection P1 and P2 : 4 mm and 6mm hose connection
- Protection class : IP20
- Other mounting provision : MS Enclosure - IP 65 with SS process connection

Application :
- Bag Filter Pressure Monitoring ❖ Bag House Condition Monitoring

Rotating Paddle Level Switch

Model : F9-C (Make : Filsa)

Specification :
- Bulk density between 0.01 to 2 t/m3
- Measuring blade speed is 1 rpm
- Contact function 1 NO + 1 NC.
- Protection : IP65 according DIN En60529
- Housing : Aluminum, RAL 7001 coated
- Counter weight : Stainless Steel
- Capacity of the contact : 15 A / 250 V AC
- Switching voltage : Standard 230 V AC (50 ... 60 Hz)
- Rop Length available upto 10 Mtr

Application :
- Fly Ash Silo ❖ Blending Silo ❖ Solid Material Storage Silo

Membrane / Boot / Chute Jam Level Switch

Make : Filsa

Specification :
- Product temperature : -20° C – +200°C
- Sensitivity : 200 – 500g adjustable
- Protection : IP65
- Density of the product : 0,3 t/m3 – 2,5 t/m3

Application :
- Bucket elevator ❖ Chute jam ❖ Screw conveyor jam detector
- To maintain low level of bulk solid in silos or vessels

Pendulum Level Indicators

Model : MS-1 (Make : Filsa)

Specification :
- Rod lenght : Upto 2000 mm
- Product density : 0,3 t/m3 – 3 t/m3
- Maximum pressure : +0,5 bar
- Switching function : 1 NO + 1 NC
- Capacity of the contact : 15 A / 250 V AC (for resistive loads)
- Bulk good temperature : -25° C – +80° C
- Type of protection : IP66 according to DIN En60529
- Materials : Housing Aluminium, RAL 7001 coated

Application :
- High level switch of storage bunkers and silo
- Level Measurement in stacker reclaimer machine
- Control of conveying belts for gravel ❖ Level control in a coal bunker

RF Admittance Level Switch

Model : LSY (Make : Trumen)

Specification :
- Enclosure : Aluminium non-Hazardous IP-65/ 68
- Process Temperature : 200°C
- Insulation type : Part PTFE
- Process connection material : SS 304
- Universal supply 15-60VDC & 15-260VAC
- Output : 1 x DPDT potential - free relay output
- Switching : Single point level switching
- Relay rating : 5A 230VAC, 5A 24VDC for resistive loads
- Probe length : 250 mm (other on request)

Application : ❖ Dust Hopper ❖ ESP Hopper

Differential Pressure Transmitter for Liquids

Model : 988 (Make: Beck GmbH)

Specification :
- Range: 0-2.5, 0-6, 0-10 bar (special measuring ranges on request)
- Supply : 18 – 30 V AC/DC
- Output signal : 0-10 Volt & 4 to 20 mA
- Process connection : 2 x inner thread G1/4 Axial
- Accuracy : +/- 0.4% (typ.) / +/- 1.0 (max.)
- Protection class : IP65

Application :
- Differential pressure measurement between supply and return in heating systems
- Monitoring of filters, fans and compressors
- Cooling systems for heating / air conditioning

Vibrating Fork Level Switch

Model : LSV (Make: TRUMEN)

Specification :
- Enclosure : Aluminium non-Hazardous IP-66/ 68
- Process Temperature : 200°C
- Sensing surface material : SS-316
- Process connection : Threaded 1 1/4" BSP
- Process connection material: SS-304
- Universal supply 15-60VDC & 15-260VAC
- Output : 1 x DPDT potential-free relay output
- Switching : Single-point level switching
- Relay rating : 5A 230VAC, 5A 24VDC for resistive loads
- Probe length: 250 mm (other on request)

Application
- Level measurement of Free flowing powders and granules (size max. 10mm) in Hopper, Silo & Vessel

Liquid Vibrating Fork Level Switch

Model : LFV (Make : Trumen)

Specification :
- Compact size
- Universal industrial power supply (15 to 80 VDC & 15 to 260 VAC)
- Low power consumption
- All liquids from free-flowing to viscosity up-to 10,000cP
- Process pressure max. 15 bar
- Process temperature max 200 ºC
- Suitable for side as well as top mounting

Application
- Gearbox Oil Level Detection ❖ Flow/No-Flow detection in pipe-lines.

Hydrostatic Continuous Level Transmitter

Model : TLH (Make : Trumen)

Specification :
- Wide range industrial dc power supply (12 to 36 VDC)
- Loop powered device (2 wire)
- No calibration required
- Customized process connections
- Accuracy +/- 0.25% of FS
- Suitable for corrosive liquids
- Process pressure max. 200 mH2O
- Process temperature max. 80 ºC

Application
- Pressure sensor for hydrostatic level measurement at Bore Well
- Deep submersible liquid level measurements.

pH Analyzer

Model : AER 102-pH (Make : Shinko-Technos)

Specification :
- Power supply : 100 to 240 VAC (standard)
- 48 x 96 mm, panel mounting type
- Drip-proof/Dust-proof IP66 (for front panel only)
- 2-points Contact output (standard)
- Proportional control, max. 4 points of relay contact

Application : ❖ Scrubber System ❖ SWAS System

pH Electrode

Make : Kuntze Instrument

Specification :

- ❖ Measuring range pH 0.. 14 ❖ Very small alkaline error
- ❖ Long service life due to refillable reference electrode
- ❖ High quality Zirkon junction for reliable measurement results
- ❖ Dirt-repellent and corrosion resistant PTFE junction
- ❖ Reference System: Ag / AgCl / Solid electrolyte
- ❖ Integrated temperature sensor ❖ Max. Pressure : < 10 bar

Application :
- ❖ Scrubber System ❖ Low Iconic Boiler Feed Water ❖ Drinking Water Treatment

Total Chlorine, Free Chlorine, Chlorine Dioxide, Ozone, or Hydrogen Peroxide Measurement

Make : Kuntze Instrument

Specification :

- ❖ Automatic cleaning by ASR® possible
- ❖ Low maintenance due to gel filling
- ❖ Stable zeropoint
- ❖ High quality Zirkon® junction for reliable measurement results
- ❖ Max. Pressure: < 10 bar at 20 °C ❖ Temperature: -5...+70 °C
- ❖ Electrode Material: 2 Gold rings ❖ Process Connection: M12 Plug

Measuring Parameter
- ❖ Total Chlorine, Free Chlorine & Chlorine Dioxide : Up to 1000 µg/l ; up to 5,00 ; 10,00 ; 20,00 mg/l
- ❖ Ozone : Up to 1000 µg/l ; up to 5,00 ; 10,00 mg/l
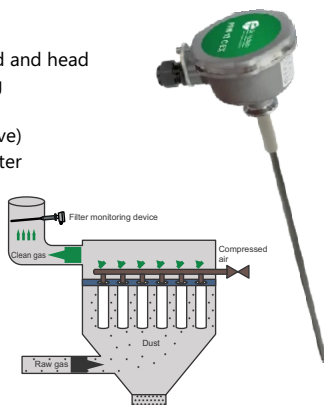
Application : Water Treatment Engineering

Broken Bag Detector (Filter Monitoring Device)

Model : PFM 13C (Make : Dr. Födisch AG)

Specification :

- ❖ Probe : Tribo-electric probe consisting of rod and head
- ❖ Probe rod : Electrically isolated from housing
- ❖ Immersion depth : 500 mm
- ❖ Measuring range of dust : 0...100% (qualitative)
- ❖ Analogue output : 4...20 mA, 2-wire transmitter
- ❖ Galvanically isolated to device ground
- ❖ Power supply : 24 VDC (max. +25%, -10%)
- ❖ Exhaust gas temperature : Max. 260°C
- ❖ Process connection : Welding sleeve with Tri-Clamp fastener
- ❖ Housing : IP 65, protection class 1
- ❖ No purge air blower required
- ❖ Easy mounting

Application : Broken bag leak detector

Stack Dust Monitoring Device - QAL1 Certified

Model : PFM20 (Make : Dr. Födisch)
Specification :

- ❖ Compact device with aluminum housing ❖ Probe rod length : 500 mm
- ❖ Measuring range of dust : lowest certificated range 0 -7.5 mg/m³ dust, max. measuring range 0...250 mg/m³ dust
- ❖ Exhaust gas temperature : max. 280 °C
- ❖ Flow velocity : min. 5 m/s ❖ Protection degree : IP65
- ❖ Analog input : 1 x 4...20 mA for external velocity v [m/s]
- ❖ Analog output : 4 ... 20 mA, electrically isolated
- ❖ Digital outputs : 4 potential free contacts for failure
- ❖ Power supply : 110 V / 230 VAC
- ❖ Process connection : welding sleeve with Tri-Clamp fastener

Digital Process Indicator

Model : JIR (Make : Shinko)
Specification :

- ❖ Compact Design ❖ Galvanic Isolation 1.5 kV
- ❖ Sampling Time 125 ms ❖ 3 Points Alarm output
- ❖ Password Protection and User-Friendly Configuration
- ❖ IP66 Protection Class for Front Flush
- ❖ Standard Retransmission Output (4-20 mA, 12000-bit Resolution)
- ❖ Lower Power Consumption (8VA), Longer Life of Electronics Modules
- ❖ Multi-input : total 18 types of input

Air Velocity Transmitter with S - Type Pitot Tube

Model : 985V (Make : Beck GmbH)

Specification :
- ❖ Range : 0 ... 1 KPa (10 mbar)
- ❖ Velocity range : 0 ... 30 m/s
- ❖ Supply voltage : 18 ... 30 VAC / VDC
- ❖ Output : 4 ... 20 mA or 0 ... 10 V, 3-wire
- ❖ With switching output
- ❖ Display : LED display, red, 4 digits
- ❖ Accuracy : ± 1% FS, min. ± 1 Pa
- ❖ Protection class : IP65

Accessories:
- ❖ S-type pitot tube (Stainless steel)
- ❖ Length : 500 mm ❖ OD : 6 mm
- ❖ Mounting type : cleat or flange

Application :
- ❖ Air flow measurement via averaging flow sensor
- ❖ ID/FD fan velocity measurement via s-type pitot tube
- ❖ Air flow measurement in Stack

Portable Digital Manometer + Air Velocity Meter

Model : EMA 200 (Make : Halstrup-walcher GmbH)

Specification :
- ❖ Range : ± 2 kPa (± 200 mmWC)
- ❖ Velocity range : 5 ... 58 m/s
- ❖ Display : 3 1/2" Digit, LCD
- ❖ Accuracy : ± 0.5% of max. value
- ❖ Operating temperature : 0 ... 50°C
- ❖ Power supply : 9 V battery with calibration certificate

Accessories:
- ❖ L - shape pitot tube
- ❖ Length : 600 mm
- ❖ Process connection : 6 mm hose

Application :
- ❖ Differential pressure measurement across the filter Draft pressure measurement, air velocity measurement in process

Smart Vibration Sensor

Model : HE050 (Make : HAUBER - Elektronik GmbH)

Specification :
- ❖ Vibration Monitoring Sensor
- ❖ Housing material and fastening : 1.4305 (V2A) with fastening M8 x 8; pitch 1.25 mm (standard)
- ❖ Output : 4 – 20 mA, 3 wire
- ❖ Measuring range : 0 – 25 mm/s rms (other on request)
- ❖ Electrical connection : M12 connector
- ❖ Measuring head temperature : -40°C ... +85°C
- ❖ Protection class : IP 66/67
- ❖ Frequency range : 10 – 1,000 Hz
- ❖ IO link also available on request

Application : Mills/ Fans /Centrifuges Fans/ Pumps Cooling Towers/ Turbine

Signal Conditioner with Isolated Single/ Dual Output

Model : MS3700, MS3000 Series

Specification :
- ❖ Integrated with burnout protection function
- ❖ Anti-humid coating on PCB are standard for improved environmental protection
- ❖ Drop-proof screw terminals for ease of installation
- ❖ No special spacing is required between the units
- ❖ Alarm Setter with Dual / Quad Output (DC Signal)
- ❖ FAST RESPONSE ❖ Built-in signal selector switches
- ❖ 5-way isolation between Input, Output 1, Output 2, Power, and Ground
- ❖ Separate ZERO / SPAN adjustment of Output 1 and Output 2
- ❖ No need for installation & removal of input resistor (250 ohms) for signal switching

Application : Isolated Thermocouple Temperature Transmitter
- ❖ Potentiometer Transmitter with Isolated Single/Dual Output
- ❖ CT and PT Transmitter