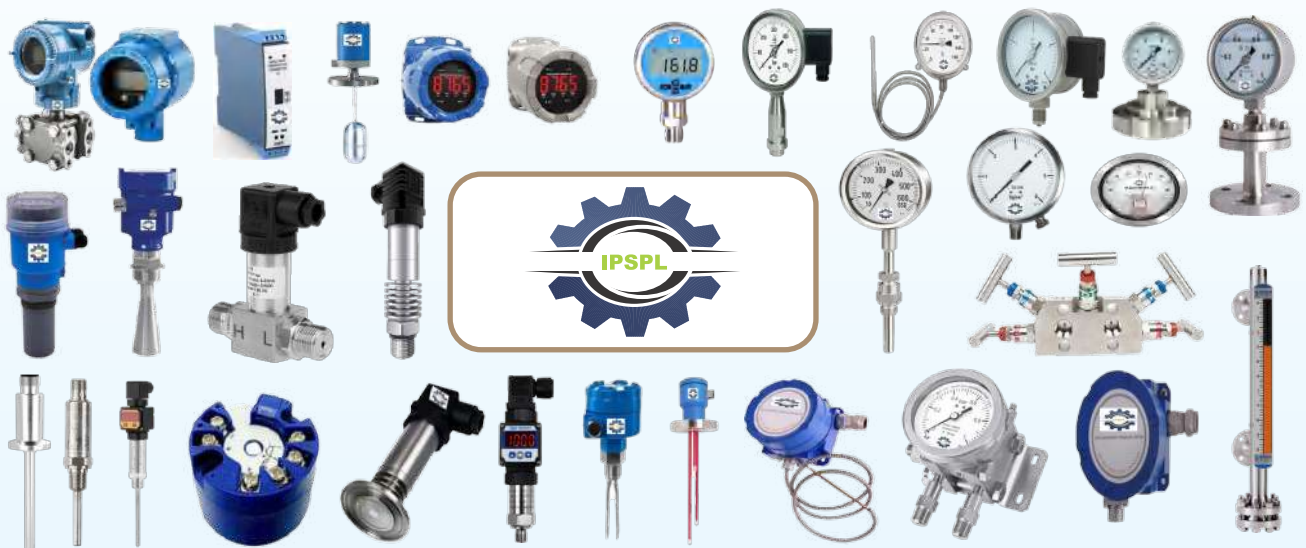




INDUSTRIX PRECISE SOLUTIONS PRIVATE LIMITED



PRESSURE GAUGES, SWITCHES & TRANSMITTERS

TEMPERATURE GAUGES, SWITCHES & TRANSMITTERS

LEVEL GAUGES, SWITCHES & TRANSMITTERS

FLP/WP SWITCHES & TRANSMITTERS

GAS DETECTORS & REGULATORS

ROTAMETERS & FLOW METERS

DIAPHRAGM SEALED GAUGES, SWITCHES & TRANSMITTERS

DIAPHRAGM SEALS

NEEDLE & MANIFOLD VALVES

INSTRUMENTATION ACCESSORIES & THERMOWELL



COMPANY PROFILE

“**INDUSTRIX PRECIOUS SOLUTIONS PRIVATE LIMITED**” would like to introduce our company that involved in **manufacturing and supply of Measuring Instruments, Gauges, Switches and Transmitters for Pressure, Temperature, Flow, Level etc and Manifold Valves, Pipe Fittings, Switchgears, Junction Boxes, Control/Distribution Boards, Fire & Signal alarms, High Precision Investment casting products and various B2B solutions in the field of process industry and automation worldwide.**

An ISO-9001 certified technology driven company, **IP SPL** is managed by a team of qualified professionals and backed by strong Project Management skills with more than 30 plus years' experience in the field of **PROCESS INSTRUMENTATION AND AUTOMATION** in domestic and international markets. Our **Technical Capabilities, Expertise, Experience, Contemporary Technology, Skilled craftsmanship, Commitment to excellence and Committed to Quality products** in the manufacturing process which involves rigorous quality and performance tests of all raw materials and finished products etc lead us to a well-known name in the Process Instrumentation.

Our team's technical and marketing collaborations with some of the leading names in domestic and worldwide had helped us maintain the new position that IP SPL enjoys in the Process Industry supplies of domestic & international market.

We provide high quality precision products & services with international standards. All our products and services are met with a great satisfaction among our customers across the world.

OUR Quality Policy

- Implementing evident quality tests in the incoming raw materials & manufacturing process which is aligned to satisfy customers.
- Building pleasant work atmosphere by enrichment of the employee satisfaction.
- Provide highly safety work atmosphere and Prevention of Pollution, Injuries and ill Health.
- Preciously managing and maintaining of all resources.

OUR Strength

- Precise products and services delivered on-time cost effectively.
- Continuous improvement of products, processes and systems.
- Experts and highly proficient manpower.
- Infrastructure to accommodate to the diverse and specific needs of every customer.

WHAT WE OFFER

DESIGN	BRANDING	CONSULTATION	PROMISES
All gauges are designed in house by our team of experts, so if there's a special application that you require a gauge for, we are sure to deliver!	As we produce each gauge in house to order, we are able to apply any custom branding to the dial face, for that quality professional touch.	If you're not quite sure on your specific requirements, our knowledgeable engineers are always on hand to advise you on the best product to choose.	As part of our commitment of quality, we promise that every instrument is INDIA made to the best quality standards, meeting strict demands each time.
This also allows us to tailor gauges to any need, so if there is a special connection or dial that is required, don't hesitate to get in contact.	So whether it's your company logo, a specific range or anything else that is required, we can help you out.	Just drop us an email or give us a call and we will do our best to assist you.	All instruments come with a 1-year guarantee, so you can depend on them when it's most important.



PRESSURE GAUGES



IPS-PG

ALL SS PRECISION PRESSURE GAUGE

Dial Size	DN63 / DN100 / DN150 / DN250 (2.5" / 4" / 6" / 10")
Range	-1 to 0 , 0-1 to 0-2500 Bar
Accuracy	±1% / CL 1 P.S.
Mounting	Bottom / Lower Back / Center Back
Process Connection	1/4" / 1/2"-BSP / NPT Standard
Ingress Protection	IP68
Execution	Fillable / Dry / Filled
Bourdon Tube & Socket	SS316L / MONEL -TIG WELDED
Case & Bezel	SS304 / SS316
Optional	External Zero Adjustment / 0.5 % Acc / Case / Bezel Electro Plating / DIN Style Case



IPS-PG

ALL SS SOLID FRONT SAFETY PRESSURE GAUGE

Dial Size	DN100 / DN150 (4" / 6")
Range	-1 to 0 , 0-1 to 0-2500 Bar
Accuracy	±1% / CL 1 F.S.
Mounting	Bottom / Lower Back
Process Connection	1/2"-BSP / NPT Standard
Ingress Protection	IP68
Execution	Fillable / Dry / Filled
Bourdon Tube & Socket	SS316L / MONEL -TIG WELDING
Welded Case & Bezel	SS304 / SS316 / Aluminium Die Cast
Optional	External Zero Adjustment, 0.5 % Accuracy, Over Pressure



IPS-PG

ALL SS CAPSULE PRESSURE GAUGE

Dial Size	DN63 / DN100 / DN150 (2.5" / 4" / 6")
Range	25 mbar600mbar Compound and pressure ranges
Accuracy	±1.6% / CL 1.6 F.S.
Mounting	Bottom / Lower Back / Center Back
Process Connection	1/4" / 1/2"-B1/4" / 3/8" / 1/2"-BSP / NPT StandardSP / NPT Standard
Ingress Protection	IP65
Execution	Dry / Fillable for Ranges above 300 mbar
Capsule & Socket	SS316L / Aluminium
Case & Bezel	SS304 / SS316



IPS-PG

ALL SS DIFFERENTIAL PRESSURE GAUGE (DIAPHRAGM)

Dial Size	DN100 / DN150 (4" / 6")
Range	0-25mbar to 0-10 Bar
Accuracy	±1.6 % / CL 1 - Ascending F.S.
Mounting	Bottom / Back
Process Connection	1/2"-BSP / NPT - Standard
Ingress Protection	IP68
Execution	Filled / Fillable / Dry
Case & Bezel	SS316L / Monel / special alloys
Body & Diaphragm	SS304 / 316 / Aluminium
Gasket	Viton
Optional	External Zero Adjustment, Electric Contact, Single or Double Diaphragm



IPS-PG

ALL SS DIFFERENTIAL PRESSURE GAUGE (BELLOW TYPE)

Dial Size	DN150
Range	0-100mbar to 0-16 Bar,
Accuracy	±1% / CL 1 Ascending
Mounting	Bottom / Lower Back
Process Connection	1/2"-BSP / NPT
Ingress Protection	IP65
Execution	Fillable / Dry / Dry but fillable
Body & Bellow	SS316L, Body & Bellow TIG Welded
Case & Bezel	SS304 / 316
Optional	External Zero Adjustment



IPS-PG

ALL SS DIFFERENTIAL PRESSURE GAUGE (PISTON)

Dial Size	DN63 / DN100 / DN150 (2.5" / 4" / 6")
Range	0-1bar to 0-10 Bar
Accuracy	±2% / CL 2 - Ascending F.S.
Mounting	Inline / Bottom / Back Ports , Direct / Case 3 Hole Panel
Process Connection	1/4" NPT (F) Standard
Ingress Protection	IP65
Execution	Fillable / Dry
Wetted Parts	Body-SS316, Spring- SS302, Magnet-Ceramic, Seal - Teflon, Case -SS304, Diaphragm - Viton, Piton-SS316L



PRESSURE GAUGES



IPS-PG

PHENOL CASE SOLID FRONT PRESSURE GAUGE

Dial Size	DN115
Range	-1 to 0 , 0-1 to 0-1600 Bar
Accuracy & Repeatability	±0.5% / CL 0.5
Mounting	Bottom / Lower Back
Process Connection	1/2"-BSP / NPT
Ingress Protection	IP68
Execution	Dry
Bourdon Tube & Socket	SS316L / MONEL -TIG
Case & Bezel	PHENOLIC / THERMOPLASTIC



IPS-PG

SS CASE TEST GAUGE (ACC. ±0.25%)

Dial Size	DN150 / DN250 / DN300
Range	-1 to 0 , 0-1 to 0-1600 Bar, Reference Standard : EN837-1
Accuracy	±0.25% / CL 0.25
Movement	Jewel Bearing
Mounting	Bottom / Lower Back
Process Connection	1/2"-BSP / NPT
Ingress Protection	IP68
Execution	Dry
Bourdon Tube & Socket	Beryllium Copper & SS316L / Copper alloy
Case & Bezel	SS304 / Steel Case Powder coated
Note	Dial with anti parallax mirror band, Knife Edge Micro Adjustment Pointer



IPS-PG

ALL SS SANITARY PRESSURE GAUGE

IPS-PG	ALL SS SANITARY PRESSURE GAUGE
Dial Size	DN50 / DN63 / DN100 / DN150, Ref. Standard : EN837-1
Range	-1 to 0 , 0-1 to 0-40 Bar
Accuracy	±1.6% / CL 1.6
Mounting	Bottom / Center Back
Process Connection	1/2"..... 2.5" Tricomp Type
Ingress Protection	IP65
Execution	Fillable / Dry / Filled
Bourdon Tube & Socket	SS316 with SS Case and Bezel
Seal Filling Liquid	Food Grade Oil /Glycerine



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HOMOGENIZER PRESSURE GAUGE

Dial Size	DN100 / DN150
Range	0-100 to 0-1000 Bar
Accu. & Repeatability	±1.6% / CL 1.6 , Ref. Standard : EN837-1
Mounting	Bottom with standard seal / customized seal
Process Connection	Mounting Flange, Threaded Conn, Direct Connection
Ingress Protection	IP65
Execution	Fillable / Dry Diaphragm
Bourdon Tube & Socket	SS316L - Tig Welded
Case & Bezel	SS304/316 - Socket welded with Case
Electric Wiring System	2 Wire DIN Connector
Supply	24 VDC
Output	4 - 20 mA



IPS-PG

ALL SS SOLID FRONT SAFETY PRESSURE GAUGE (ELECTRIC CONTACT)

Dial Size	DN100 / DN150 (4" / 6")
Range	-1 to 0 , 0-1 to 0-2500 Bar
Accuracy	±1% / CL 1 F.S.
Mounting	Bottom / Lower Back
Process Connection	1/2"-BSP / NPT Standard
Ingress Protection	IP68
Execution	Fillable / Dry / Filled
Bourdon Tube & Socket	SS316L / MONEL -TIG WELDING
Welded Case & Bezel	SS304 / SS316 / Aluminium Die Cast
Optional	External Zero Adjustment, 0.5 % Acc., Over Pressure , Transmitter
Electric Wiring System	2 Wire DIN Connector
Supply	24 VDC
Output	4 - 20 mA



IPS-PG

ALL SS ELECTRIC CONTACT PRESSURE GAUGE

Dial Size	DN100 / DN150 (4" / 6")
Range	-1 to 0 , 0-1 to 0-1600 Bar
Accuracy	±1% / CL 1.0 F.S.
Mounting	Bottom / Lower Back
Process Connection	1/2"-BSP / NPT Standard
Ingress Protection	IP65
Execution	Dry / Fillable
Electric Contact	Magnetic Contacts, NO / NC, NO / NO, NC / NC
Bourdon Tube & Socket	SS316L / Monel - TIG welded
Welded Case & Bezel	SS304 / 316
Optional	Standard safety glass window / Doom type window



PRESSURE & TEMPERATURE GAUGES



IPS-PG

ALL SS PRESSURE GAUGE WITH MICRO SWITCH

Dial Size	DN63 / DN100 / DN150
Range	0 to 600 Bar
Accuracy	±1% / CL 1.0 F.S. for 100 & 150 mm and ±1.6% / CL 1.0 F.S for 63 mm
Mounting	Bottom, Lower Back & Center Back
Process Connection	1/4" / 1/2 BSP / NPT (M)
Ingress Protection	IP 65
Execution	Dry
Electric Contact	1 SPDT Micro Switch (250 V AC / 15 Amp, 220 V DC / 0.2 Amp.)
Bourdon Tube & Socket	SS316L / Monel - TIG welded
Welded Case & Bezel	SS304 / 316
Window	Sheet Glass
Optional	2 SPDT, Silver & Gold Contact Micro Switch



IPS-PG

MAGNELIC DIFFERENTIAL PRESSURE GAUGE FOR LOW PRESSURE

Dial Size	DN100
Range	0-5mmwc to 600 mmwc
Accuracy	±2 % / CL 2 - Ascending
Mounting	Side / Back
Process Connection	1/8" (F) NPT - 2 NOS
Ingress Protection	IP54
Execution	Dry
Case & Bezel	Die Cast Aluminium
Sensing Element	Silicon Rubber Diaphragm



IPS-PG

DIFFERENTIAL PRESSURE GAUGE WITH OUTPUT SIGNAL

Applications	Features
Machinery and Electronics	4 digits LCD showing pressure accurately in real time, easy for observation
Supporting Equipment of Instruments	Various pressure units, zero clearing, backlight, on/off functions
Pressure Laboratory	Battery powered, low-power design, keeping working for 12 months
Mechanical Engineering Automation	High-precision pressure sensor adopted



IPS-PG

DIGITAL PRESSURE GAUGE

Applications	Features
Machinery and Electronics	4 digits LCD showing pressure accurately in real time, easy for observation
Supporting Equipment of Instruments	Various pressure units, zero clearing, backlight, on/off functions
Pressure Laboratory	Battery powered, low-power design, keeping working for 12 months
Mechanical Engineering Automation	High-precision pressure sensor adopted



IPS-PG

ALL SS PRESSURE GAUGES WITH DIAPHRAGM SEALS

Dial Size	DN 63 / DN100 / DN150
Range	0-250mmwc to 0-10 bar
Accuracy & Repeatability	±1% / CL 1.0 F.S.
Mounting	Bottom
Process Connection	1/2" BSP / NPT Standard
Execution	Dry / Fillable
Body	SS316 (Machined Flange)
Diaphragm	SS316 / Monel / Teflon / Inconel
Case & Bezel	SS304 / 316
Optional	External Zero Adjustment / PTFE Lining



IPS-TG

ALL SS GAS FILLED TEMPERATURE GAUGES

Dial Size	DN100 / DN125 / DN150 / DN250 (4" / 4.5" / 6" / 10")
Temp. Range	-100 to 650°C
Accuracy	± CL 1
Standard	EN13190
Mounting	Bottom/Center Back/Every angle Clamp with External Zero Adjustment
Process Connection	1/4", 3/8", 1/2"-BSP / NPT, Option with Anti Vibration spring
Ingress Protection	IP65, Options Hermetically Sealed Encloser
Execution	Dry / Fillable
Sensing Element	Bourdon Tube with Temperature Compensation
Case & Bezel	SS304/316, -Stem / Probe TIG welded with Case



TEMPERATURE & LEVEL GAUGES



IPS-TG

ALL SS BIMETAL TEMPERATURE GAUGES

Dial Size	DN40 / DN50 / DN63 / DN80 / DN100 / DN125 / DN150 / DN250-(1.5" / 2" / 2.5" / 3" / 4" / 4.5" / 6" / 10")
Temp. Range	-100 to 600°C
Accuracy	± CL 1
Standard	EN13190
Mounting	Bottom / Center Back / Every angle Clamp with External Zero Adjustment
Process Connection	1/4" / 3/8" / 1/2"-BSP / NPT, Special Connections
Ingress Protection	IP65, Hermetically Sealed Encloser
Execution	Dry / Fillable
Sensing Element	Bimetal Helix
Case & Bezel	SS304/316, - Stem / Probe TIG welded with Case



IPS-TG

GAS FILLED TEMPERATURE GAUGES (EXTERNAL ZERO ADJUSTMENT)

Dial Size	DN100 / DN150 (4" / 6")
Temp. Range	-100 to 650°C
Accuracy	± CL 1
Standard	EN13190
Mounting	Bottom/Center Back/Every angle Clamp with External Zero Adjustment
Process Connection	1/4", 3/8", 1/2"-BSP / NPT, Option with Anti Vibration spring
Ingress Protection	IP65, Options Hermetically Sealed Encloser
Execution	Dry / Fillable
Sensing Element	Bourdon Tube with Temperature Compensation
Case & Bezel	SS304/316 - Stem / Probe TIG welded with Case



IPS-TG

TEMPERATURE GAUGE ELECTRIC CONTACT

Dial Size	DN100 / DN150, Standard Window / Dom Glass
Temp. Range	-100 to 650°C
Accuracy	± CL 1
Standard	EN13190
Mounting	Bottom/Center Back/Every angle Clamp with External Zero Adjustment
Process Connection	1/4", 3/8", 1/2"-BSP / NPT, Option with Anti Vibration spring
Ingress Protection	IP65, Hermetically Sealed Encloser
Execution	Dry / Fillable
Electric Contact	Magnetic / Inductive Contacts, NO, NC, SPST, DPDT, NONC,
Sensing Element	Bourdon Tube with Temperature Compensation
Case & Bezel	SS304/316, - Stem / Probe TIG welded with Case /



IPS-LG

MAGNETIC LEVEL GAUGE BI-COLOUR

Mounting	Rear / Side / Top Mount
Specific Gravity	0.75
Operating Temp	-20 ... 120°C / -20 ... 300°C
Operating Pressure	10bar / 25 bar / 50 Bar / 80 Bar / 100 Bar
Process Connection	1/2" 1" NPT / Standard Flanges / Weld in
Indicator	Rolling Flappers - Blue & White / Red & White
Wetted Parts Protection	SS316 / SS316L / with NACE
Distance Center to Center	500 mm 6000 mm
Scale	Aluminium / SS304 / SS316
Least Count	As per requirement
Options	Switches -1SPDT, Switch Points -1 / 2 / 3 / 4 Nos / Transmitter / Valve



IPS-LG

GLASS LEVEL GAUGE - REFLEX

Mounting	Left Side / Right Side / Rear Side / Top Side
Operating Temp	-20 ... 120°C / UPTO 240°C / UPTO 400°C
Operating Pressure	20bar / 35 bar / 65 Bar / 80 Bar / 100Bar / 200 bar
Process Connection	1/2" 1" NPT / Standard Flanges / Weld in
Indicator	Gauge Glass - Borosilicate (Klinger - Special Requirement)
Wetted Parts	SS304 / SS316 / CS105
Distance Center to Center	500 mm 6000 mm
Scale	Aluminium / SS304 / SS316
Least Count	As per requirement
Options	Needle / ball Valves / FLANGES with Vent or Drain Port, Auto shut of valve / Illumination with diffuse



IPS-LG

GLASS LEVEL GAUGE - TRANSPARENT

Mounting	Left Side / Right Side / Rear Side / Top Side
Operating Temp	-20 ... 120°C / 240°C / 300°C
Operating Pressure	20bar / 35 bar / 65 Bar / 80 Bar / 100 Bar / 200 Bar
Process Connection	1/2" 1" NPT / Standard Flanges / Weld in
Indicator	Gauge Glass - Borosilicate (Klinger - Special Requirements)
Wetted Parts	SS304 / SS316 / CS105
Distance Center to Center	500 mm 6000 mm
Scale	Aluminium / SS304 / SS316
Least Count	As per requirement
Options	Anti frost protection, Illuminator with diffuser, Needle / ball Valves / Flanges with Vent or Drain Port / Auto shut of valve



LEVEL GAUGES & PRESSURE SWITCHES



IPS-TG

GLASS LEVEL GAUGE - TUBULAR

Mounting	Left Side / Right Side / Rear Side / Top Side
Operating Temp	-10 ... 100°C
Operating Pressure	Up to 10 Bar
Process Connection	1/2" 1" BSP/ NPT / Standard Flanges
Indicator	Borosilicate Glass Tube / Plexi Glass
Wetted Parts	SS304 / SS316 / CS105
Distance Center to Center	500 mm 2000 mm
Scale	Aluminium / SS304 / SS316
Least Count	As per requirement
Options	Drain / Vent with ball Valves



IPS-PS

PRESSURE SWITCHES WEATHER-PROOF (DIAPHRAGM TYPE)

Applications	Features
Boiler, Furnace, Railway Engines	High Accuracy & Repeatability
Oil & Gas, Conventional & Nuclear Power Plants	Stainless Steel Wetted Parts
Refineries, Petrochemical, Food & Pharmaceutical Industries	Highly Reliable
Chemical & Fertilizer, Cement, Textile Industries	Diaphragm Seals (Optional)
Glass, Paint, Pulp & Paper, Marine Industries	



IPS-PS

PRESSURE SWITCH WEATHER-PROOF (PISTON TYPE)

Applications	Features
Boiler, Furnace, Railway Engines	High Accuracy & Repeatability
Oil & Gas, Conventional & Nuclear Power Plants	Stainless Steel Wetted Parts
Mines, Iron & Steel Plants	Set Point Locking
Refineries, Petrochemical, Food & Pharmaceutical Industries	Highly Reliable
Chemical & Fertilizer, Cement, Textile Industries	Diaphragm Seals (Optional)
Glass, Paint, Pulp & Paper, Marine Industries	



IPS-PS

DIFFERENTIAL PRESSURE SWITCH WEATHER-PROOF (DIAPHRAGM TYPE)

Applications	Features
Filter Monitoring, Boiler, Furnace, Railway Engines	High Accuracy & Repeatability
Oil & Gas, Conventional & Nuclear Power Plants	Stainless Steel Wetted Parts
Mines, Iron & Steel Plants	Set Point Locking
Refineries, Petrochemical, Food & Pharmaceutical Industries	Highly Reliable
Chemical & Fertilizer, Cement, Textile Industries	Diaphragm Seals (Optional)
Glass, Paint, Pulp & Paper, Marine Industries	



IPS-PS

PRESSURE SWITCH EXPLOSION / FLAME PROOF (DIAPHRAGM TYPE)

Applications	Features
Boiler, Furnace	CMRI-ERTL / BIS-PESO Approved
Oil & Gas, Conventional & Nuclear Power Plants	High Accuracy & Repeatability
Mines, Iron & Steel Plants & Refineries	Stainless Steel Wetted Parts
Petrochemical, Food & Pharmaceutical Industries	Set Point Locking
Chemical & Fertilizer, Cement Industries	Highly Reliable
Glass, Paint, Pulp & Paper, Marine Industries	
Other Hazardous Applications	Diaphragm Seals (Optional)



IPS-PS

PRESSURE SWITCH EXPLOSION / FLAME-PROOF (PISTON TYPE)

Applications	Features
Boiler, Furnace	CMRI-ERTL / BIS-PESO Approved
Oil & Gas, Conventional & Nuclear Power Plants	High Accuracy & Repeatability
Mines, Iron & Steel Plants & Refineries	Stainless Steel Wetted Parts
Petrochemical, Food & Pharmaceutical Industries	Set Point Locking
Chemical & Fertilizer, Cement Industries	Highly Reliable
Glass, Paint, Pulp & Paper, Marine Industries	Diaphragm Seals (Optional)
Other Hazardous Applications	



PRESSURE & TEMPERATURE SWITCHES



IPS-PS

DIFFERENTIAL PRESSURE SWITCH EXPLOSION / FLAME-PROOF (DIAPHRAGM TYPE)

Applications	Features
Filter Monitoring, Boiler, Furnace, Railway Engines	CMRI-ERTL / BIS-PESO Approved
Oil & Gas, Conventional & Nuclear Power Plants	High Accuracy & Repeatability
Mines, Iron & Steel Plants	Stainless Steel Wetted Parts
Refineries, Petrochemical, Food & Pharmaceutical Industries	Set Point Locking
Chemical & Fertilizer, Cement, Textile Industries	Highly Reliable
Glass, Paint, Pulp & Paper, Marine Industries	Diaphragm Seals (Optional)
Other Hazardous Applications	



IPS-TS

PRESSURE SWITCH ADJUSTABLE DEAD BAND (DIAPHRAGM TYPE)

Applications	Features
Railways	Fixed Dead Band (Optional)
Compressors & Boilers	Weatherproof To Ip66
Water Treatment	Sleek & Reliable
Fire Fighting Systems	Field Adjustable
Lubrication Industries	High Repeatability



IPS-PS

COMMERCIAL PRESSURE SWITCH

Applications	Features
Compressors	Compact & Economical
Textile machines	Field Adjustable Set Point
Chillers & Air dryers	Auto Reset
Fire Fighting Systems	1 SPDT Switch
Water Treatment Plants	Bottom / Panel Mounting
Refrigeration Applications	Stainless Steel Enclosure



IPS-PS

MINIATURE PRESSURE SWITCH

Applications	Features
Earth Movers	OEM Industry Applications
OEM industries	Field Adjustable Set Point
Lubrication Industries	Compact Design
Hydraulic Equipments	Fixed Differential
Pneumatic Machineries	1 SPST Contact
Automobile Applications	Direct Mounting



IPS-TS

TEMPERATURE SWITCH WEATHER PROOF

Applications	Features
Boiler, Furnace, Turbines, Compressors, Oil & Gas, Pumps	High Accuracy & Repeatability
Conventional & Nuclear Power Plants, Wastewater Treatment	Stainless Steel Wetted Parts
Mines, Petrochemical, Food & Pharmaceutical Industries	Set Point Locking
Chemical, Fertilizer, Cement, Textile, Glass, Paint Industries	Highly Reliable
Pulp & Paper, Marine Industries.	



IPS-TS

TEMPERATURE SWITCH EXPLOSION / FLAME PROOF

Applications	Features
Boiler, Furnace, Turbines, Compressors, Oil & Gas, Pumps	High Accuracy & Repeatability
Conventional & Nuclear Power Plants, Wastewater Treatment	Stainless Steel Wetted Parts
Mines, Petrochemical, Food & Pharmaceutical Industries	Set Point Locking
Chemical, Fertilizer, Cement, Textile, Glass, Paint Industries	Highly Reliable
Pulp & Paper, Marine Industries.	



LEVEL SWITCHES

IPS-LS

CAPACITANCE POINTS LEVEL SWITCH

Applications	Features
Suitable for all non-sticky liquids and solids.	Compact size.
Suitable for side as well as top mounting.	Universal industrial power supply (15 to 80 VDC & 15 to 260 VAC).
Single point/multipoint/pump control switching on single probe.	Low power consumption.
Minimum and maximum fail safe field selectable.	Easy dip switch calibration.
Process temperature up-to 600°C (Ceramic Insulation)	Customized process connections like Threaded/Flanged/Hygienic etc.
Process pressure max. 15 bar.	Multiple switching output available.
PTFE coated for corrosive and conductive liquids.	Remote electronic version available on request.
Exd-Version available-suitable for Gas Group IIC, T6 as per IS/IEC 60079-1-2014 & IS/IEC 60529:2001	



IPS-LS

ROTATING PADDLE POINT LEVEL SWITCH FOR SOLIDS

Applications	Features
Suitable for free flowing powders and granules.	Compact size.
Suitable for side as well as top mounting.	Industrial power supply 230 VAC/24VDC.
Process temperature max. 150°C.	No calibration required.
Process pressure max. 3 bar.	Durable construction.
Various shape fins option available for different bulk density material.	Spring loaded blades.
	Customized process connections.



IPS-LS

VIBRATING FORK POINT LEVEL SWITCH FOR SOLIDS

Applications	Features
Free flowing powders and granules (size max. 10mm).	Compact size.
Suitable for side as well as top mounting.	Universal industrial power supply (15 to 80 VDC & 15 to 260 VAC).
Minimum and maximum fail safe field selectable.	Low power consumption.
PTFE/PFA/ECTFE/HALAR coatings for corrosive solids.	No calibration required.
Process temperature max. 200°C/250°C on request.	Customized process connections like Threaded/Flanged/Hygienic etc. Thread starting from 1" size.
Process pressure max. 15 bar.	Settable switching delay as a standard feature.
Exd -Version available -suitable for Gas Group IIC, T6 as per IS/IEC 60079-1-2014 & IS/IEC 60529:2001	Remote electronic version available on request.



IPS-LS

VIBRATING ROD POINT LEVEL SWITCH FOR SOLIDS

Applications	Features
Free flowing powders and granules (size max. 25mm).	Compact size.
Suitable for side as well as top mounting.	Universal industrial power supply (15 to 80 VDC & 15 to 260 VAC).
Minimum and maximum fail safe field selectable.	Low power consumption.
Process temperature max. 200°C/250°C (on request).	No calibration required.
Process pressure max. 15 bar.	Customized process connections like Threaded/Flanged/Hygienic etc.
Exd -Version available -suitable for Gas Group IIC, T6 as per IS/IEC 60079-1-2014 & IS/IEC 60529:2001	Settable switching delay as a standard feature.
	Remote electronic version available on request.



IPS-LS

ADMITTANCE POINT LEVEL SWITCH

Applications	Features
Suitable for all sticky/non-sticky bulk solids & liquids.	Compact size.
Suitable for side as well as top mounting.	Universal industrial power supply (15 to 80 VDC & 15 to 260 VAC).
Process temperature max. 600°C (ceramic insulation).	Low power consumption.
Process pressure max. 15 bar.	Easy calibration.
Minimum and maximum fail safe field selectable.	Active shield compensation against material build-up.
Exd -Version available -suitable for Gas Group IIC, T6 as per IS/IEC 60079-1-2014 & IS/IEC 60529:2001	Static charge safe for fly-ash, acids, plastic & other applications.
	Susceptible to static charge /electricity.
	Customized process connections like Threaded/Flanged etc.
	Remote electronic version available on request.



IPS-LS

CONDUCTIVITY POINTS LEVEL SWITCH FOR CONDUCTIVE LIQUIDS

Applications	Features
Suitable for conductive liquids like water.	Compact size.
Top mounting & side mounting options.	Integral version with universal power supply (15 to 60 VDC & 15 to 260 VAC).
Minimum and maximum fail safe field selectable.	Split models with controller + probe with 80 to 260 VAC or 24 VDC.
Single point/multipoint/pump-control switching.	Low power consumption.
Process temperature max. 200°C.	No calibration required.
Process Pressure max. 10 bar.	Various customized process connections like Threaded/Flanged.
Exd -Version available -suitable for Gas Group IIC, T6 as per IS/IEC 60079-1-2014 & IS/IEC 60529:2001	Remote electronic version available on request.



LEVEL SWITCHES & PRESSURE TRANSMITTERS



IPS-LS

COMPACT VIBRATING FORK LEVEL SWITCH FOR LIQUIDS & SOLIDS

Applications	Features
All liquids from free-flowing to viscosity up-to 10,000cP.	Compact size.
Suitable for side as well as top mounting.	12 to 80 VDC for PNP/NPN o/p.
Minimum and maximum fail safe field selectable.	Low power consumption.
Suitable for free flowing solid & liquid applications.	No calibration required.
Process temperature max. 150°C.	Various customized process connections like Threaded/Flanged/TC etc starting from 1/2".
Process pressure max. 15 bar.	Various o/p available like DC PNP/ NPN/ Two wire DC 8/16, Two wire AC and NAMUR.
	External test option using magnet test key.



IPS-LS

COMPACT VIBRATING FORK LEVEL SWITCH FOR LIQUIDS

Applications	Features
All liquids from free-flowing to viscosity up-to 10,000cP.	Compact size.
Suitable for side as well as top mounting.	12 to 80 VDC for PNP/NPN o/p.
Minimum and maximum fail safe field selectable.	Low power consumption.
Flow/No-Flow detection in pipe-lines.	No calibration required.
Process temperature max. 150°C.	Various customized process connections like Threaded/Flanged /TC etc starting from 1/2".
Process pressure max. 15 bar.	Various o/p available like DC PNP/ NPN/ Two wire DC 8/16, Two wire AC and NAMUR.
	External test option using magnet test key.



IPS-PT

PRESSURE TRANSMITTER – INDUSTRIAL (SILICON BASED MEMS PIEZO RESISTIVE TECHNOLOGY)

Applications	Features
Engine Fuel Pressure Measurement	Gauge, Absolute and Vacuum Pressure Measurement
Refrigeration and Air Compressor	Lifetime >100 M Cycles
Hydraulic Systems	Measuring Ranges from -1.... 250 Bar (Other ranges on request)
Water Pressure Measurement	Process Temperature from – 40 to + 125°C
Autoclaves & ETO Sterilisers	Wide Range of Pressure Ports and Electrical Connectors
Liquid & Gas Pressure Measurement	Housing and Diaphragm made of Premium Stainless Steel



IPS-PT

ECONOMICAL PRESSURE TRANSMITTERS

Applications	Features
Automotive	Pressures from 0~1 up to 150 Bar (higher range on request)
Refrigeration & HVAC System	Accuracy up to 0.5% FS
Industrial Process Control	Excellent Corrosion resistance
Gas, Liquid Pressure Measurement	Small Profile, compact structure
Mechanical Engineering	



IPS-PT

PRESSURE TRANSMITTER – FOR HIGH PRESSURE

Applications	Features
Hydraulics	Measuring diaphragm and pressure interface one-piece structure
Mechanical Engineering	Thread interface USES 7 degrees of taper sealing surface
Test Stand Design (Automotive Engineering)	Resistance to vibration, the instantaneous pressure impact resistance
Water Power Generating	Can measure pressure up to 600MPa



IPS-PT

PRESSURE TRANSMITTER WITH DISPLAY

Applications	Features
Control and process technology	Multi-functional display
Machine building and plant construction	Simple menu navigation
Pharmaceutical and hygienic industries	Conductive plastic case or stainless-steel case (optionally with electropolished surface)
Food industry	Large LC display
Chemical, petrochemical industry	Approvals for hazardous areas



PRESSURE TRANSMITTERS



IPS-PT

PRESSURE TRANSMITTER (DIFFERENTIAL)

Applications	Features
Equipment support	316L stainless steel diaphragm
Scientific experiment	Zero and full-scale span adjustable externally
Precision instrument	Short circuit protection and reverse polarity protection
Water supply and drainage	Can measure pressure up to 600MPa
Power plant differential pressure	Excellent shock resistance, vibration resistance and electromagnetic compatibility resistance
Liquid level and Flow in process control	



IPS-PT

PRESSURE TRANSMITTER - CERAMIC TYPE

Applications	Features
Process control systems	Measuring ranges from 1.6bar to 250bar
Refrigeration and HVAC controls	Gauge type
Hydraulic systems and valve	Accuracy: $\pm 0.5\%$ FSO
Mechanical and plant engineering	Calibrated and temperature compensated
Pumps and compressors	Ceramic pressure sensor design
	Variety of Pressure & Electrical connections
	Output 4...20mA, 0...10V, 0.5...4.5V and others



IPS-PT

PIEZORESISTIVE PRESSURE TRANSMITTER

Applications	Features
Process Control System	Measuring ranges from 100mbar to 600bar
Refrigeration and HVAC controls	Absolute, gauge and sealed gauge
Hydraulic systems and valve	Accuracy: $\pm 0.5\%$ FSO, $\pm 0.2\%$ FSO (optional)
Machine building	Calibrated and temperature compensated
Pumps and compressor	Stainless steel construction
Pharmaceutical Industries	Piezoresistive pressure sensor design
Dairy Processing Industries	Variety of Pressure & Electrical connections
Paper & Pulp Industries	Output 4...20mA, 0...10V, 0...5V and ModBus RS485



IPS-PT

PIEZORESISTIVE PRESSURE TRANSMITTER (FOR HIGH TEMPERATURE)

Applications	Features
Process Control System	Measuring ranges from 100mbar to 600bar
Steam and heat exchange	Absolute, gauge and sealed gauge
Hydraulic systems and valve	Accuracy: $\pm 0.5\%$ FSO, $\pm 0.2\%$ FSO (optional)
Machine building	Calibrated and temperature compensated
Pharmaceutical Industries	Stainless steel construction
Dairy Processing Industries	Wider operation temperature range
Paper & Pulp Industries	Variety of Pressure & Electrical connections
	Output 4...20mA, 0...10V, 0...5V and ModBus RS485



IPS-PT

PRESSURE TRANSMITTER (WITH FLUSH DIAPHRAGM)

Applications	Features
Process Control System	Measuring ranges from 100mbar to 250bar
Food & Beverages Industries	Absolute, gauge and sealed gauge
Pharmaceutical Industries	Accuracy: $\pm 0.5\%$ FSO, $\pm 0.2\%$ FSO (Optional)
Dairy Processing Industries	Calibrated and temperature compensated
Paper & Pulp Industries	Flush diaphragm construction
Petrochemical	Piezoresistive pressure sensor design
Sewage & Slurry Handling	Variety of Pressure & Electrical connections
Adhesives & Paint Industries	Output 4...20mA, 0...10V, 0...5V and ModBus RS485



IPS-PT

PRESSURE TRANSMITTER FLUSH DIAPHRAGM SANITARY TYPE (FOR HIGH TEMPERATURE)

Applications	Features
Process Control System	Measuring ranges from 100mbar to 250bar
Food & Beverages Industries	High Temperature application up to + 250°C
Pharmaceutical Industries	Absolute, gauge and sealed gauge
Dairy Processing Industries	Accuracy: $\pm 0.5\%$ FSO, $\pm 0.2\%$ FSO (Optional)
Paper & Pulp Industries	Calibrated and temperature compensated
Fuel Station	Flush diaphragm construction
Gas Dispenser	Piezoresistive pressure sensor design
Biological Industries	Variety of Pressure & Electrical connections
Pressure Instruments	Output 4...20mA, 0...10V, 0...5V and ModBus RS485



PRESSURE & TEMPERATURE TRANSMITTERS



IPS-PT

GAUGE PRESSURE TRANSMITTER

Applications	Features
Process Fluid	Liquid, Gas, Steam
Measuring range	0-100MPa
Output signal	4-20mA, 4-20mA+HART, customer
Reference accuracy	±0.1%
Stability	±0.2% URL/ years
Diaphragm	SS316L, Hastelloy C
Media temperature	-40-120°C
Protection class	IP65
Process connection	M20 x 1.5(M), G1/2(M), G1/4 (M), 1/2NPT(M), 1/4NPT(M) and Tri-clamp, Thread, Flange



IPS-PT

ABSOLUTE PRESSURE TRANSMITTER

Applications	Features
Process Fluid	Liquid, gas
Measuring range	0-100MPa
Working Temperature	-25 to +95C
Current Output	4 – 20 mA 2 wires Hart Protocol
Power Supply	24VDC
Process connections	Tri-clamp, Thread, Flange
Electrical Connections	1/2"NPT or M20 x 1.5
Enclosure	IP65
Intrinsically Safe	ia II C T6
Explosion proof	d II B T5
Diaphragm material	SS316L, Hastelloy C, Tantalum



IPS-PT

DAIPHGRAM SEAL PRESSURE TRANSMITTER

Applications	Features
Process Fluid	Liquid, Gas, or Steam flow as well as liquid Level, Density and Pressure
Measuring range	200Pa-10MPa
Working Temperature	-25 to +95C
Current Output	4 – 20 mA 2 wires Hart Protocol
Power Supply	24VDC
Ambient Temperature	-25 to +120C
Process connections	1/4 – 18 NPT or 1/2 – 14 NPT
Electrical Connections	1/2"NPT or M20 x 1.5
Enclosure	IP 65
Intrinsically Safe	ia II C T6
Explosion proof	d II B T5
Diaphragm material	SS316L, Hastelloy C



IPS-PT

DIFFERENTIAL PRESSURE TRANSMITTER

Applications	Features
Process Fluid	Liquid, gas, or steam flow as well as liquid level, density and pressure
Measuring range	200Pa-10MPa
Working Temperature	-25 to +95C
Current Output	4 – 20 mA 2 wires Hart Protocol
Power Supply	24VDC
Ambient Temperature	-25 to +120C
Process connections	1/4 – 18 NPT or 1/2 – 14 NPT
Electrical Connections	1/2"NPT or M20 x 1.5
Enclosure	IP 65
Intrinsically Safe	ia II C T6
Explosion proof	d II B T5
Diaphragm material	SS316L, Hastelloy C



IPS-TT

INSERTION TEMPERATURE TRANSMITTER (COMPACT TYPE)

Applications	Features
Aviation Industry	Low Cost OEM
Food & Pharmaceutical Industry	Mineral Insulated
Refrigeration & HVAC Control	Crevice Free Stainless-Steel Construction
Process Control	Available in Exotic Metals
Motor Fuel Control	Compact Version
Water Pressure Monitoring and High-end industrial machinery	Surge Protection, Reverse Voltage Protection to 36V DC



IPS-TT

HEAD MOUNTED UNIVERSAL TEMPERATURE TRANSMITTER

Applications	Features
Food & Beverage, Pharmaceutical	Programmable Universal Input (RTD / Ω / Thermocouples / mV / V) & HART Options
Conventional & Nuclear plants	Linear Signal Output
Hydro-cleaning machines, Diesel engines & Refrigerating plants	Current Loop Powered
Chemical & Petrochemical Industries	PC Based Configuration via USB Cable
Pumps, Presses & Turbines	High Accuracy and Repeatability



TEMPERATURE & LEVEL TRANSMITTERS



IPS-TT

RAIL MOUNTED UNIVERSAL TEMPERATURE TRANSMITTER

Applications	Features
Food & Beverage, Pharmaceutical	Programmable Universal Input (RTD / Ω / Thermocouples / mV / V) & HART Options
Conventional & Nuclear plants	Linear Signal Output
Hydro-cleaning machines, Diesel engines & Refrigerating plants	Current Loop Powered
Chemical & Petrochemical Industries	PC Based Configuration via USB Cable
Pumps, Presses & Turbines	High Accuracy and Repeatability



IPS-TT

FIELD MOUNTED TEMPERATURE TRANSMITTER

Applications	Features
Aviation Industry	High accuracy (< 0.1% FS) and loaded with advanced functions
Food & Pharmaceutical Industry	2 wire technology, Universal input (RTD, thermocouple, Ohm, mV)
Refrigeration & HVAC Control	Isolated / Non isolated
Process Control	Linearisation (Temperature linear, Resistance linear, Voltage linear)
Motor Fuel Control	Electromagnetic compatibility (EMC) according to IEC 61000-4-3
Water Pressure Monitoring and High-end industrial machinery	Isolation up to 2kV between Input & Output
Power Generating Industry	Easy to install and reliable with unique design
Cement & Mining Industry	Digital Filter & Sensor break protection
Steel & Metals Industry	Excellent Long-term stability 0.05% of span/year
Chemicals & Petrochemical Industry	Sensor diagnostics & loop check-up
	Easy configuration and maintenance through push buttons
	HART or Profibus Protocol



IPS-TT

WALL MOUNTED TEMPERATURE TRANSMITTER

Applications	Features
Aviation Industry	High accuracy (< 0.1% FS) and loaded with advanced functions
Food & Pharmaceutical Industry	2 wire technology, Universal input (RTD, thermocouple, Ohm, mV)
Refrigeration & HVAC Control	Isolated / Non isolated
Process Control	Linearisation (Temperature linear, Resistance linear, Voltage linear)
Motor Fuel Control	Electromagnetic compatibility (EMC) according to IEC 61000-4-3
Water Pressure Monitoring and High-end industrial machinery	Isolation upto 2kV between Input & Output
Power Generating Industry	Easy to install and reliable with unique design
Cement & Mining Industry	Digital Filter & Sensor break protection
Steel & Metals Industry	Excellent Long-term stability 0.05% of span/year
Chemicals & Petrochemical Industry	Sensor diagnostics & loop check-up
	Easy configuration and maintenance through push buttons
	HART or Profibus Protocol



IPS-LT

TWO-WIRE CAPACITANCE LIQUID LEVEL TRANSMITTER

Applications	Features
Free flowing homogeneous liquids like oil, raw water WFI/DM water etc.	Compact size.
	Rigid rod/flexible rope versions.
Suitable for top mounting.	Wide range industrial DC power supply (14 to 60 VDC).
Process temperature up-to max. 200°C.	Loop powered device 2 wire 4-20mA / 1-5V / 2-10V / RS-485.
Process pressure up-to max.15 bar.	No potentiometers-hassle free calibration.
Suitable for corrosive liquids.	Various customized process connections like Threaded / Flanged / Hygienic etc.
Exd -Version available -suitable for Gas Group IIC, T6 as per IS/IEC 60079-1-2014 & IS/IEC 60529:2001	Remote Process Indicator Controller available on request.



IPS-LT

HYDROSTATIC LIQUID LEVEL TRANSMITTER

Applications	Features
It is a pressure sensor for hydrostatic level measurement.	Compact size
	4-core, shielded cable with vent hose which is mechanically strong enough for deep submersible liquid level measurement.
Drinking water, dam water, bore well, well etc.	Wide range industrial DC power supply (12 to 36 VDC).
Suitable for top mounting.	Loop powered device 4-20mA/RS-485.
Process temperature max. 80°C	No calibration required.
Process pressure max. 200 mH2O.	Customized process connections like Threaded/Flanged/Hygienic etc.
Suitable for sea water/corrosive liquids.	Accuracy +/- 0.5% of FS or +/- 0.25% of FS.
	Remote Process Indicator Controller available on request.



IPS-LT

RADAR LEVEL TRANSMITTER

Applications	Features
Continuous, non-contact level measurement applicable for liquids and solids in large storage tanks	Min resolution 1mm
Various antennas MOC as per process requirement	Intelligent signal processing technology
Maximum measuring range up to 70M	Simple configuration parameters, without waiting for emptying containers
Process Temperature -40 to 200°C	LCD display & Easy configuration
(Special Temperature Range available on request)	Die Cast Aluminium enclosure
Process Pressure max-1 to 16 bar	Two wire 4-20mA/HART output



LEVEL TRANSMITTERS, GAS DETECTORS, ROTAMETERS, FLOW METERS



IPS-LT

ULTRASONIC LEVEL TRANSMITTER

Applications	Features
Continuous, non-contact level measurement in fluids, pastes, and coarse bulk materials	Min resolution 1mm
Flow measurement in open channels	Intelligent signal processing technology.
Max-range 30m in liquids	Simple configuration parameters, without waiting for emptying containers
Process Temperature -40 to 80°C	Rot-proof plastic crust protect grade IP67
Process Pressure max 1bar	LCD display & Easy configuration



IPS-GD

FIXED TYPE GAS DETECTORS

Applications	Features
Industrial plants	Direct Connect Networking
Refineries	High Visibility
Pharmaceutical manufacturing	Smart Sensor Technology
Fumigation facilities	Rugged Exterior
Paper pulp mills	Easy And Flexible Installation
	Alarm Action Messages



IPS-RM

ROTAMETER METAL TUBE TYPE

Applications	Features
Liquid Measurement	Line size : DN15 to 150
Gases Flow Measurement	Accuracy : +/-1.5%
Steam Measurement	Medium Viscosity : 5 to 300 mPa.s



IPS-RM

ROTAMETER DIGITAL TYPE

Applications	Features
Liquid Measurement	Line size : DN15 to 150
Gases Flow Measurement	Accuracy : +/-1.5%
Steam Measurement	Medium Viscosity : 5 to 300 mPa.s



IPS-EFM

ELECTROMAGNETIC FLOW METER (INLINE TYPE)

Applications	Features
Water Abstraction	Line Size : 3 mm to 3000mm
Drinking Water Distribution Networks	Velocity : 0.3 to 15m/s
Irrigation & Leakage Detection	Accuracy : 0.3%
Cooling & Industry Water	
Waste Water, Sewage and Sludge	



IPS-TFM

TURBINE FLOW METER (GAS & LIQUID)

Applications	Features
Nonconductive Liquid, LDO, Clean liquid (Low Viscous liquid)	Line size: 4 to 200mm
Low pressure loss.	
High Anti-Electromagnetic Interference Ability.	Accuracy: 0.5% of range
Anti-Vibration Design.	
Wide Flow Measurement Range up to 800 m3/h.	Backlit LCD display
Lower flow rate limit (0.04 m3/h)	



NEEDLE & MANIFOLD VALVES



IPS-NV

NEEDLE VALVE (ISOLATION)

Applications	Features
Models	Needle Valves -Isolation
Needle Types	Hard Seated / Soft Seated / Ball seated
Mounting	Pipe to Pipe - Remote Type
Process & Instr. Connection Size	1/4, 3/8, 1/2", 3/4", 1", 1.5" -BSP / NPT
Process x Instr. Connection Form	M x M / M x F / F x F
Pressure Rating	6000 psi / 10000 psi / 20000 psi
Stem Packing	PTFE / Grafoil
Material Construction	SS304 / SS316 / INCONEL / MONEL / HASTELLOY-C



IPS-BBV BLOCK AND
BLEED VALVE

Applications	Features
Models	Block & Bleed Valve (Single & Double)
Needle Types	Hard Seated / Soft Seated / Ball seated
Mounting	Pipe to Pipe - Remote Type
Process & Instr. Connection Size	1/4, 3/8, 1/2", 3/4", 1", 1.5" -BSP / NPT
Process x Instr. Connection Form	M x M / M x F / F x F
Pressure Rating	6000 psi / 10000 psi / 20000 psi
Stem Packing	PTFE / Grafoil
Material Construction	SS304 / SS316 / INCONEL / MONEL / HASTELLOY-C



IPS-MPV
MULTI PORT VALVE

Applications	Features
Models	Needle Valves -Isolation , Block & Bleed Valve, Drain Port Plugged
Needle Types	Hard Seated / Soft Seated / Ball seated
Mounting	Pipe to Pipe - Remote Type
Process & Instr. Connection Size	1/4, 3/8, 1/2", 3/4", 1", 1.5" -BSP / NPT
Process x Instr. Connection Form	M x M / M x F / F x F
Pressure Rating	6000 psi / 10000 psi / 20000 psi
Stem Packing	PTFE / Grafoil
Material Construction	SS304 / SS316 / INCONEL / MONEL / HASTELLOY-C



IPS-MV-2 WAY
MANIFOLD
VALVE - TWO WAY

Applications	Features
Models	Manifold : 2 valves : 1 isolation valve , 1 vent valve Drain Port Plugged
Needle Types	Hard Seated / Soft Seated
Mounting	Pipe to pipe , Direct Type
Process & Instr. Connection Size	1/4" / 1/2" - BSP / NPT
Process x Instr. Connection Form	Female x Female
Pressure Rating	6000 psi
Stem Packing	PTFE / Grafoil
Material Construction	SS304 / SS310 / SS316 / INCONEL / MONEL / HASTELLOY-C
Options	Nace MR0175/MR0103 / Oxygen Service



IPS-MV-3 WAY
MANIFOLD VALVE -
THREE WAY

Applications	Features
Models	Manifold : 3 valves : 2 isolation valve, 1 Equalizer Valve
Needle Types	Hard Seated / Soft Seated
Mounting	Pipe to pipe, Direct Type
Process & Instr. Connection Size	1/4" / 1/2" -BSP / NPT
Process x Instr. Connection Form	F x F , M x F, M x M
Pressure Rating	6000 psi
Stem Packing	PTFE / Grafoil
Material Construction	SS304 / SS310 / SS316 / INCONEL / MONEL / HASTELLOY - C
Options	Nace MR0175/MR0103 / Oxygen Service



IPS-MV-4 WAY
MANIFOLD VALVE
- FOUR WAY

Applications	Features
Models	Manifold : 2 - Isolation valves, 2 Vent Valves
Needle Types	Hard Seated / Soft Seated
Mounting	Pipe to pipe, Direct Type
Process & Instr. Connection Size	Threaded -1/2" -BSP / NPT
Process x Instr. Connection Form	Flange - Co-planner (DIN 19213)
Pressure Rating	6000 psi
Stem Packing	PTFE / Grafoil
Material Construction	SS304 / SS310 / SS316 / INCONEL / MONEL / HASTELLOY - C
Options	Nace MR0175/MR0103 / Oxygen Service



MANIFOLD VALVES & DIAPHRAGM SEALS



IPS-MV-5 WAY
MANIFOLD VALVE
- FIVE WAY

Applications	Features
Models	Manifold : 5 valves : 2 isolation, 1 Equalizer, 2 Vent, 2 Drain Port Plugged
Needle Types	Hard Seated / Soft Seated
Mounting	Pipe to pipe, Direct Type
Process & Instr. Connection Size	1/4", 1/2" -BSP / NPT
Process x Instr. Connection Form	F x F , M x F, M x M
Pressure Rating	6000 psi
Stem Packing	PTFE / Grafoil
Material Construction	SS304 / SS316 / SS316 / INCONEL / MONEL / HASTELLOY - C
Options	Nace MR0175/MR0103 / Oxygen Service



IPS-DS-3
SANITARY DIAPHRAGM SEAL
FLUSH DIAPHRAGM (FEMALE)

Applications	Features
Pressure Ranges	1 - 0 to 0- 2.5 Bar (2"), 0-4 to 0-10(1"/1.5"), 0-25 to 0-40(1/2")
Top Chamber	SMS / DIN SS316L -1" (DN25) ,1.5" (DN40), 2" (DN50)- Female Type
Union Nut	SMS / DIN - SS304 1" (DN25) ,1.5" (DN40), 2" (DN50)
Instrument Connection	1/4" / 1/2" - BSP / NPT (F)
Diaphragm	SS316L
Sealing Gasket	SILICON / VITOR
Seal Filling Liquid	Food Grade Oil / Silicon Oil / Glycerin
Optional	Bottom Part / Gasket



IPS-DS-5
SANITARY DIAPHRAGM
SEAL CLAMP TYPE

Applications	Features
Pressure Ranges	1 - 0 to 0- 2.5 Bar (2"), 0-4 to 0-10(1"/1.5"), 0-25 to 0-40(1/2")
Top Chamber	SS316L -1" (DN25) ,1.5" (DN40), 2" (DN50) - Triclamp Type
Instrument Connection	1/4" / 1/2" - BSP / NPT (F)
Diaphragm	SS316L
Sealing Gasket	Silicon
Filling Liquid	Food Grade Oil
Option	Suitable Size Triclamp, Bottom Matting Part & Gasket



IPS-DS-2
DIAPHRAGM SEAL FULL
WELDED DIRECT COUPLED
TYPE COMPACT DESIGN

Applications	Features
Pressure Ranges	-1 - 0, 0-1 to 0- 25 Bar
Top Chamber	SS304
Bottom Chamber	SS316
Diaphragm	SS316L
Instrument Connection	1/4" BSP / NPT (F)
Process Connection	1/4" - BSP / NPT- (M)
Sealing Liquid	Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Top & Bottom Chamber	Welded Construction
Options	Nace MR0175/MR0103 / Oxygen Service



IPS-DS-4
DIAPHRAGM SEAL FULL
WELDED HEAVY DUTY
MINI SEAL

Applications	Features
Pressure Ranges	-1 - 0, 0-1 to 0- 70 Bar (OD62.2 & OD 55) / 100 < 250 Bar (OD46.5) / 250 < 600 bar (OD34.5) / 600<1000 bar (OD 28)
Top Chamber	SS304
Bottom Chamber	SS316L / Monel / Inconel / Hastelloy- C
Diaphragm	SS316L / Monel / Inconel / Hastelloy - C / Tantalum
Instrument Connection	1/4"/ 3/8"/ 1/2" -BSP /NPT (F)
Process Connection	1/4",3/8",1/2" - BSP /NPT- (M /F) / Special Connections
Filling Liquid	Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Top & Bottom Chamber	Welded Construction



IPS-DS-6
FLANGED DIAPHRAGM
SEAL - FLANGE "I"
SECTION TYPE

Applications	Features
Range	-1 - 0 to 0-21 bar / -1 - 0 to 0- 70 Bar / 0-100 to 0-400 bar
Top Chamber	SS316 / SS304
Instrument Connection	1/2" - BSP / NPT (F) Standard
Process Connection	I Section with Flange, size & class as per standard
Bottom Chamber	(pipe+flange+bottom ring) : SS316L/MONEL/PVC
Diaphragm	SS316L / Monel / Inconel / Hastelloy -C / PTFE / Tantalum
Sealing Gasket	PTFE / METAL GASKET
Special Requirements	1) PTFE Lining / PTFE Coating 2) Capillary, Capillary with Armor tube 3) Fitting Liquid - Silicon Oil/ Glycerin / Food Grade Oil / Syltherm



DIAPHRAGM SEALS & INSTRUMENTATION ACCESSORIES



IPS-DS-7 FLANGED DIAPHRAGM SEAL DIRECT FLANGED FLUSHED TYPE

Applications	Features
Pressure Ranges	-1 - 0 to 0-250 bar
Flange Size Class	As per standard
Flange Material	SS316/SS304/Monel / HAS - C276 / Inconel
Instrument Connection	1/4" / 1/2" - BSP / NPT (F)
Diaphragm	SS316L / Monel / Inconel / Hastelloy-C 276 / PTFE / Tantalum / Titanium
Special Requirements	1) PTFE Coating on diaphragm 2) Capillary with Armor tube 3) Filling Liquid - Silicon Oil / Glycerin / Syltherm



IPS-DS-8 FLANGED DIAPHRAGM SEAL DIRECT FLANGED INSERT TYPE

Applications	Features
Pressure Ranges	-1 - 0 to 0-250 bar
Flange Size Class	As per standard
Flange Material	SS316/SS304 / Monel / HAS - C276 / Inconel
Instrument Connection	1/4" / 1/2" - BSP / NPT (F)
Diaphragm	SS316L / Monel / Inconel / Hastelloy - C / PTFE / Tantalum
Special Requirements	1) PTFE Film on diaphragm 2) Capillary with armour tube 3) Sealing Liquid - Silicon Oil / Glycerin / Syltherm 4) PTFE lining on flanges



IPS-DS-9 FLANGED DIAPHRAGM SEAL EXTENDED NECK TYPE

Applications	Features
Pressure Ranges	-1 - 0 to 0-250 bar
Instrument Connection	1/2" - BSP / NPT (F) - Standard
Process Connection	Extension Bar with Mounting Flange, Flange Size and Class as per Standard SS316/SS304/MONEL/INCONEL / CS
Flange & Ext. Material	SS316L / Monel / Inconel / Hastelloy - C / Tantalum
Diaphragm	As per requirement,
Extension Neck Length	150 mm Standard
Special Requirements	1) PTFE Coating 2) Capillary, Capillary with Armor tube 3) Fitting Liquid - Silicon Oil/ Glycerin / Food Grade Oil / Syltherm



IPS-DS-10 THREADED DIAPHRAGM SEAL SLIP RING COUPLED TYPE

Applications	Features
Pressure Ranges	-1 - 0, 0-1 to 0- 250 Bar - Steel Metal Ring
Top Chamber	SS316 / SS304
Bottom Chamber	SS316L / Monel / Inconel / PVC
Diaphragm	SS316L / Monel400 / Inconel600 / Hastelloy -C 276 / Tantalum / PTFE
Instrument Connection	1/4", 3/8", 1/2" -BSP / NPT (F)
Process Connection	1/4", 3/8", 1/2" - BSP /NPT- (M /F)
Filling Liquid	Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Option	Capillary with Armor tube
Top & Bottom Chamber	Made from solid Bar with Steel Ring / SS / Metal Ring



IPS-DS THREADED DIAPHRAGM SEAL DIRECT COUPLED TYPE

Applications	Features
Pressure Ranges	0-250<0-400 bar(OD110)
Top Chamber	SS304
Bottom Chamber	SS316L / Monel / Inconel / PVC
Diaphragm	SS316L / Monel400 / Inconel600 / Hastelloy - C 276 / Tantalum / PTFE
Instrument Connection	1/4", 3/8", 1/2" -BSP / NPT (F)
Process Connection	1/4", 3/8", 1/2" - BSP /NPT- (M/F)
Filling Liquid	Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Option	Capillary, Capillary with Armor tube
Top & Bottom Chamber	Made from solid Bar / Forged Bar



IPS-SI SIPHON - ALL STAINLESS STEEL

Applications	Features
Type	Pig Tail & Coil, U Type syphons
Material	SS316, SS304, CS
Instrument connection	1/4" / 3/8" / 1/2" , BSP / NPT (F)
Pipe Size & Schedule	1/4" / 3/8" / 1/2" , 40/ 80 / 160
Connection Type	Threaded / Weld In / Flange end / Sanitary Connection
Process connection	1/4" / 3/8" / 1/2" , BSP / NPT (M)
Maximum working pressure	As per PT chart
Maximum working temperature	As per PT chart
Options	Epoxy Coating / IBR Certification / Tag Plate / special connections



INSTRUMENTATION ACCESSORIES & THERMOWELLS



IPS-PD
PULSATION DAMPENER /
SNUBBER ADJUSTABLE
NEEDLE TYPE

Applications	Features
Type	Flow Adjustable Screw
Material	SS304 / SS316 / SS316L / BRASS / Monel
Instrument connection	1/4"/3/8"/ 1/2", BSP /NPT (F)
Process connection	1/4"/3/8"/ 1/2", BSP /NPT (M)
Gaskets / Seals	Viton / PTFE
Maximum working pressure	400 bar
Maximum working temperature	180°C



IPS-OP
OVERLOAD PROTECTOR
GAUGE SAVER

Applications	Features
Type	Bellow (Range up to 2.5 bar) / Piston (Range 0 to 4 to 0 to 600 bar)
Material	SS316 / SS316L / Monel
Instrument connection	1/4"/3/8"/ 1/2", BSP /NPT / M20 (F)
Process connection	1/4"/3/8"/ 1/2", BSP /NPT / M20 (M)
Gaskets / Seals	Viton / PTFE
Maximum working pressure	600 bar
Maximum working temperature	180°C
Note	As per pressure range, type will be select



IPS-CT
COOLING TOWER
STAINLESS STEEL

Applications	Features
Type	Fin Type/ Perforated Type / Capillary Type
Material	SS316 / SS316L / Monel
Instrument connection	1/4"/3/8"/ 1/2", BSP /NPT / M20 (F)
Process connection	1/4"/3/8"/ 1/2", BSP /NPT / M20 (M)
Maximum working pressure	1000 bar
Maximum working temperature	300°C
Note	Fin Type is more suitable for pressure transmitter



IPS-FR
FLUSHING RING
STAINLESS STEEL

Applications	Features
Type	To suit all standard flange RF OD
Material Flange facing	Raised Face / RTJ
Flushing Port	1/4" / 1/2" NPT with plug - 2 Nos.
Maximum working pressure	As per Standard Flange Rating
Maximum working temperature	300°C
Options	Nipple / Needle Valve / Gasket
Note	Material equivalent to flange



IPS-GC
GAUGE COCK -
ALL STAINLESS STEEL

Applications	Features
Type	2 Way / 3 Way
Material	AISI316SS / AISI304SS
Instrument connection	1/2" NPT (F) , (1/2" NPT (F) x 2 Nos for 3 Way)
Process connection	1/2" NPT (M)
Handle	AISI 304 SS with Bakelite cover / Metal Handle
Gaskets / Seals	PTFE
Maximum working pressure	100 bar
Maximum working temperature	180°C



IPS-TW
STAINLESS STEEL
THERMOWELL THREADED
CONNECTION BARSTOCK

Applications	Features
Material of Construction	SS304 / SS310/ SS316 / SS446/ INCONEL / MONEL / HASTELLOY-C
Instrument Connection	1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	1/2" / 3/4" / 1" / 1.5" / 2" -BSP / NPT (M)
Bore Size	6.6 / 7 / 8.5 / 9.6 / 11 / 13 mm in Bar stock
Head Type	Hexagonal / Round
Lag / Extension Length	45mm / 50mm / special requirement
Impression / Insertion Length	Head Round Type Upto 1000 mm / Head Hex Type : Upto 300 mm
Options	Wake Frequency Calculation, Shank surface
	PTFE coating / Lining / Sleeve for Special materials



THERMOWELLS, GAS PRESSURE REGULATORS, INVESTMENT CASTINGS PARTS



IPS-TW STAINLESS STEEL THERMOWELL WITH FLANGE FABRICATED TYPE

Applications	Features
Material of Construction	SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	Standard Flanges
Bore Size	7/9/10/12/16 mm in Seamless Pipe/Tube , 7x10, 7x12, 9x14, 10x12,12x14, 12x16 mm , Pipe 1/8" , 1/4" 1/2" , 1" Sch.- 40, 80, 160
Head Type	Head + Flange + Pipe - Welded
Lag / Extension Length	45 mm / 50 mm / special requirement
Immersion / Insertion Length	100 mm to 3000 mm / Customer requirement
Options	Shank surface PTFE coating / Lining / Sleeve for Special materials



IPS-TW STAINLESS STEEL THERMOWELL WITH FLANGE BAR STOCK TYPE

Applications	Features
Material of Construction	SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	Standard Flanges
Bore Size	6.6 / 7 / 8.5 / 9.6 / 11 / 13 mm in Bar stock
Head Type	Round
Extension Length	45mm / 50mm / special requirement
Insertion Length	100 mm to 1000 mm
Other Options	Wake Frequency Calculation, Shank surface PTFE coating / Lining / Sleeve for Special materials



IPS-TW STAINLESS STEEL THERMOWELL - VAN STONE BAR STOCK TYPE

Applications	Features
Material of Construction	SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	Suitable to Standard Flanges
Bore Size	6.6 / 7 / 8.5 / 9.6 / 11 / 13 mm in Bar stock
Head Type	Round / Flange
Extension Length	45mm / 50mm / special requirement
Insertion Length	100 mm to 1000 mm
Other Options	Wake Frequency Calculation, Shank surface PTFE coating / Lining / Sleeve for Special materials



IPS-TW STAINLESS STEEL THERMOWELL THREADED CONNECTION FABRICATED / WELDED

Applications	Features
Material of Construction	SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	3/8" / 1/2" / 3/4" / 1" -BSP /NPT (F)
Process Connection	1/2"/3/4"/1" 1.5" / 2" -BSP / NPT (M)
Bore Size	7 / 9 / 10 / 12 / 16 mm in Seamless Pipe / Tube , 7x10, 7x12, 9x14,
Head Type	10x12,12x14, 12x16 mm / Pipe 1/8" , 1/4" 1/2" , 1" Sch.-40,80,160
Lag / Extension Length	Head + Pipe Welded
Immersion/Insertion Length (U)	Hexagonal
	45mm / 50mm / special requirement
Options	100 to 2000 mm / Customer Requirement
	PTFE Coating on well surface



IPS-GR GAS REGULATOR (SINGLE / DOUBLE)

Applications	Features
Material of Construction	316 SS
Inlet Pressure Rating	250 Kg/cm2 max
Outlet Pressure Rating	6 Kg/cm2 max
Flow Rate	I) 0.1 to 10 LPM – for instrument application. II) 10 to 100 LPM – for others.
Service	Gas / Gas Mixture
Inlet Connection	5/8" BSP M RH / LH
Outlet Connection	1/4" OD Tube
Inlet Pressure Gauge	50 mm Stainless Steel, 1/4" NPT M,0-280 Kg/Cm2
Outlet Pressure Gauge	50 mm Stainless Steel, 1/4" NPT M,0-7 Kg/cm2



IPS-IC INVESTMENT CASTING PRODUCT

Applications	Features
Products	Industrial Pulp Components, Solid C Adaptor Engineering Components, Terminal Head Engineering Components, Ball Valve Components, Super Duplex Machined Flange, Combined Engineering Components, Automobile Parts etc.
Per Piece Weight Capacity	40 Kg
Dimension of Casting	350 x 350 x 350 mm
Carbon and Low Alloy Steel	WCB, WCC, WCA, CA15, CA40, CA28MWV, 16MnCr5, SAE 8620, A732 Gr1A, LCB, 1.7225, ST-37, 1.0619, WC6, EN31, 1.7020, EN353, LCC, C5, SUH-4 etc.
Stainless Steel	CF8, CF8M, CF3, CF3M, CF16Fa, 1.4408, 1.4552, CG8M, 1.4581, etc.
Duplex Stainless Steel	CN3MN, CD4MCuN, CD3MWCuN, CD6Mn, 1.4462, CE3MN etc.
Alloy Steel	CN7M, Monel M-35-1, Monel M-30-H, Hastelloy 'B', Hastelloy 'C', etc

CONTROL STATION



**NJB 40102 (IIA IIB) NJB 80102 (IIC)
FLP/WP DIRECT ENTRY ON-OFF PUSH BUTTON**



**NPB 40201 (IIA IIB) NPB 80201 (IIC)
FLP/WP ONLY ON OR OFF PUSH BUTTON**



**NPB 40202 (IIA IIB) NPB 80202 (IIC)
FLP/WP ON-OFF PUSH BUTTON**



**NPB 40203 (IIA IIB) NPB 80203 (IIC)
FLP/WP REVERSE-FORWARD-STOP PUSH BUTTON**



**NPB 40204 (IIA IIB) NPB 80204 (IIC)
FLP/WP START-STOP-INDICATING PUSH BUTTON**



**NPB 40207 (IIA IIB) NPB 80207 (IIC) FLP/WP ON-OFF
ROTARY SWITCH 16A/25A/32A 230V/440V AC**



**FIRE ALARM STATION
NPB 40208 (IIA IIB) NPB 80208 (IIC) MANUAL CALL POINT**



**FLP/WP TEMPERATURE INDICATOR
NPB 40209 (IIA IIB) NPB 80209 (IIC)**



**FLP/WP ELECTRIC/GOING BELL
NPB 40210 (IIA IIB) NPB 80210 (IIC) 230V, 110V AC**



**NPB 40211 (IIA IIB) NPB 80211 (IIC) FLP/WP SWITCH
SOCKET 16A/25A/32A 230V/440V AC 3 PIN / 4 PIN / 5 PIN**



**FLP/WP HOOTER
NPB 40212 (IIA IIB) NPB 80212 (IIC) 230V AC / 24V DC**



**FLP/WP ACCEPT HOOTER
NPB 40212 (IIA IIB) NPB 80212 (IIC) 230V AC / 24V DC**

FLP/WP JUNCTION BOXES



NJB 40080 (IIA IIB) NPB 80080 (IIC)
FLP/WP 80MM JUNCTION BOX



NJB 40100 (IIA IIB) NPB 80100 (IIC)
FLP/WP 100MM JUNCTION BOX



NJB 40130 (IIA IIB) NPB 80130 (IIC)
FLP/WP 130MM JUNCTION BOX



NJB 40200 (IIA IIB) NPB 80200 (IIC)
FLP/WP 200MM JUNCTION BOX



NJB 40250 (IIA IIB) NPB 80250 (IIC)
FLP/WP 250MM JUNCTION BOX



NJB 40350 (IIA IIB) NPB 80350 (IIC)
FLP/WP 350MM JUNCTION BOX



FLP DISTRIBUTION BOARD – 426



FLP DISTRIBUTION BOARD – 525



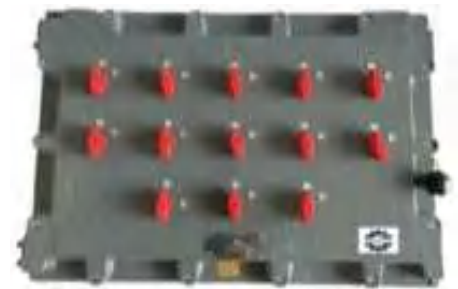
FLP DISTRIBUTION BOARD
525 WITH DISPLAY



FLP DISTRIBUTION BOARD
ALARM ANNUNCIATOR



FLP DISTRIBUTION BOARD
WITH 4 SWITCH SOCKETS



FLP DISTRIBUTION BOARD
WITH SWITCH 2

FLP/WP JUNCTION BOXES, LED LAMPS, SIGNAL ALARMS, GAS DETECTORS



FLP DISTRIBUTION BOARD PANEL



PANEL - 425



PANEL - 550



DISTRIBUTION BOARD
MODEL NO: - NDB 40426+NDB40426
SIZE: - 425X425X240 MM + 425X425X240 MM



DISTRIBUTION BOARD
MODEL NO: - NDB 40550+NDB 40425
SIZE: - 550X425X140 MM + 425X260X140 MM



DISTRIBUTION BOARD (MCB PANEL)
MODEL: - NJB 40200 + NDB 40550 + NDB 40426



DISTRIBUTION BOARD
MODEL: - NDB 40426+NDB 40426
SIZE: - 425X425X240+425X425X240



SWITCH SOCKET WITH TROLLEY



EARTHING RELAY



FLP LED LAMPS



FLP HOOTER WITH FLASHER,
SIGNAL ALARMS,



SMOKE DETECTOR

CLEAN ROOM PRODUCTS-CONTROL BOXES, LED LAMPS, PUSH BUTTON BOARD



FLP LED LAMPS



FLP CLEAN ROOM CONTROL BOX



FLP CLEAN ROOM PUSH BUTTON



OUR CLIENTS



WE EXPORT TO





IPSPL Guarantees on...

- Raw Material Quality Testing
- Manual 5 Point Calibration Testing
- Product Quality Assurance
- Technical Assistance Support
- Thermowell Design Support
- Genuine Products Verification

USER Industries

- Boilers & Pressure Vessels
- Chemicals & Fertilizers
- Defence - Army, Navy & Air Force
- Foundries
- Heavy Engineering
- Iron & Steel
- Mining & Construction
- Oil Exploration & Production
- Pharmaceuticals & Food Products
- Power Generation-Conventional & Nuclear
- Rail & Road Transport
- Refineries & Petrochemicals
- Shipbuilding Industries
- Sugar, Tea & Paper

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