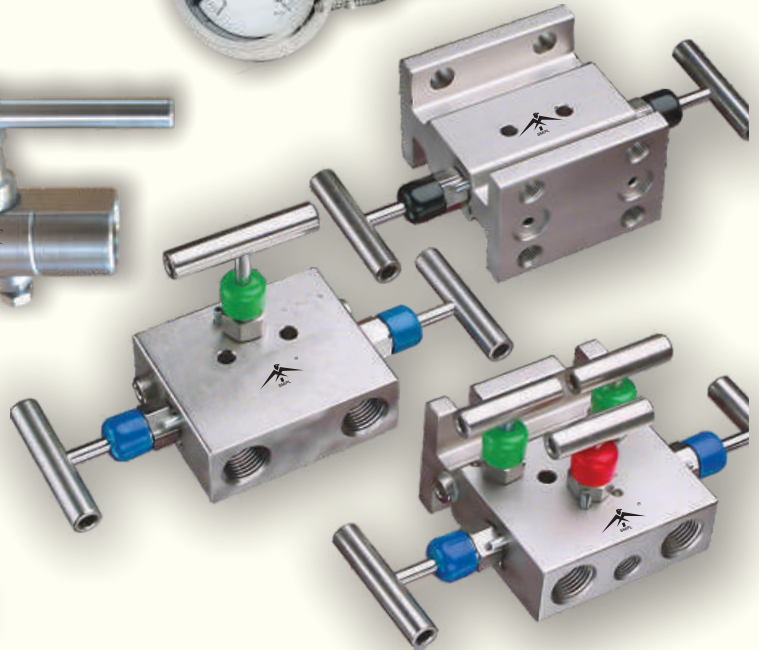
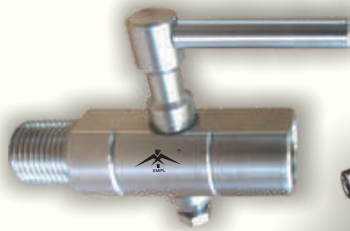
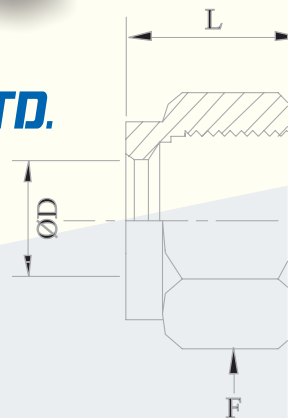


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We provide best and reliable technology to our customer, desired for their industrial process requirements by providing Ingenious Process Control Instruments. We believe in team work and strictly adhere to high standard of Quality. We trust in maintaining long lasting business relationship.

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SS PRECISION PRESSURE GAUGES

Dial Size	: DN100 / DN150
Range	: -1 to 0 , 0-1 to 0-1600 Bar
Accuracy	: ±1% / CL 1
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
Optional	: External Zero Adjustment

Dial Size	: DN50 / DN63 / DN80 / DN100
Range	: -1 to 0 , 0-1 to 0-40 Bar
Accuracy	: ±2.5% / CL 2.5
Mounting	: Bottom / Center Back
Process Connection	: 1/8" , 1/4" BSP / NPT
Ingress Protection	: IP65
Execution	: Fillable / Dry / Filled
Bourdon Tube & Socket	: Copper Alloy
Case & Bezel	: SS304

Dial Size	: DN100 / DN150
Range	: -1 to 0 , 0-1 to 0-1600 Bar
Accuracy	: ±1% / CL 1.0 - Reference Standard : EN837-1
Mounting	: Bottom / Lower Back with standard safety glass window
Process Connection	: 1/4" / 3/8" / 1/2"-BSP / NPT and special Threads
Ingress Protection	: IP65
Execution	: Dry / Fillable
Electric Contact :	: Magnetic / Inductive Contacts, NO / NC, NO NO, NC NC
Bourdon Tube & Socket	: SS316L -TIG WELDING
Welded Case & Bezel	: SS304 / 316

Dial Size	: DN63 / DN100 / DN150 / DN250 , Ref. Standard : EN837-3
Range	: 6 mbar 600mbar & Compound pressure ranges
Accuracy	: ±1.6% / CL1.6 for SS Internal
Mounting	: Bottom / Lower Back / Center Back
Process Connection	: 1/4" / 3/8" / 1/2"-BSP / NPT and special Threads
Ingress Protection	: IP65
Execution	: Dry / Fillable for Ranges above 100mbar
Bourdon Tube & Socket	: SS316L
Case & Bezel	: SS304 / SS316 / STEEL

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" Triclam Type
Ingress Protection	: IP65
Execution	: Fillable / Dry / Filled
Bourdon Tube & Socket	: SS316 with SS Case and Bezel
Seal Filling Liquid	: Food Grade Oil /Glycerin



SS SOLID FRONT SAFETY PG
MODEL- SM03-01



ALL SS PG- GENERAL PURPOSE
MODEL- SM05-01



ALL SS PG,
ELECTRIC CONTACT TYPE
HI-VERSION CASE - MODEL-SM07-01



ALL SS PG, SS CAPSULE TYPE
MODEL-SM09-01



PRESSURE GAUGE WITH SS SANITARY
MODEL- SM10-01

SS PRECISION PRESSURE GAUGES

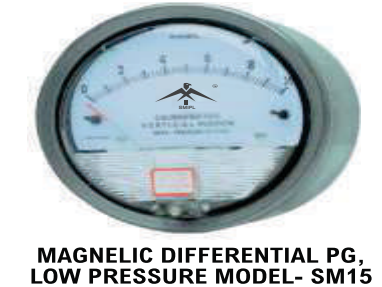
Dial Size	: DN100 / DN150
Range	: 0-25mbar to 0-10 Bar
Accuracy	: ±1 % / CL 1 - Ascending, Reference Standard : EN837-3, IS 3634
Mounting	: Bottom / Back, Optional with External Zero Adjustment
Process Connection	: 1/4", 3/8", 1/2"-BSP / NPT
Ingress Protection	: IP68
Execution	: Filled / Fillable / Dry
Body & Diaphragm	: SS316L / Monel / special alloys
Case & Bezel	: SS304/316
Gasket	: Viton



Dial Size	: DN63 / DN100 / DN150
Range	: 0-250mbar to 0-10 Bar
Accuracy	: ±2% / CL 2 - Ascending
Mounting	: Inline / Bottom / Back Ports
Process Connection	: 1/4" NPT (F)
Ingress Protection	: IP65
Execution	: Fillable / Dry
Wetted Parts	: Body-SS316, Spring- SS302, Magnet-Ceramic, Seal - Teflon, Diaphragm - Viton, Piton-SS316L



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



Dial Size	: DN100 / DN150
Range	: 0-250mmwc to 0-16 bar
Accu. & Repeatability	: ±1% / CL 1, Refer. Standard : EN837-3,
Mounting	: Bottom / Center Back, also with External Zero Adjustment
Process Connection	: 1/2"-BSP / NPT
Execution	: Dry
Body	: SS316 ,
Diaphragm	: SS316 / Monel / Teflon / Inconel
Case & Bezel	: SS304/316, - Shank & Case TIG welded
Note	: This Model is suitable for PTFE Lining



Dial Size	: DN150 X 78mm / DN 200X104 mm
Range	: -6000 to +6000 mmwc
Accuracy	: ±2.5 % / CL 2.5
Mounting	: Center Back with Bracket
Process Connection	: 1/4" BSP (M)
Ingress Protection	: IP54
Execution	: Dry
Bellow	: SS316
Case & Bezel	: Steel -Black Painted



Dial Size	: DN100 / DN150, Reference Standard : EN837-1,
Range	: -1 to 0 , 0-1 to 0-250 Bar
Accuracy	: ±1.6% / CL 1.6
Mounting	: Bottom / Center Back
Instrument Connection	: 1/2" BSP / NPT & SPECIAL THREADS
Process Connection	: Flange size & class, MOC : SS316/SS304/Monel
Ingress Protection	: IP65
Execution	: Fillable / Dry
Bourdon Tube & Socket	: SS316
Seal filling liquid	: Silicon Oil
Note	: Fully Welded



DIAPHRAGM SEAL

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	: 1/4" / 1/2" - BSP / NPT (F)
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 armour tube 3) Sealing Liquied - Silicon Oil/ Glycerin /Food Grade Oil / Syltherm

Pressure Ranges	: -1 - 0 to 0-250 bar
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Process Connection	: Extension Bar with Mounting Flange, Flange Size and Class as per Standard Requirement
Flange & Ext. Material	: SS316/SS304/MONEL/INCONEL
Diaphragm	: SS316L / Monel / Inconel / Hastelloy - C / PTFE / Tantalum
Extention Neck Length	: As per requirement
Special Requirements	: 1) PTFE Coating 2) Capillary, capillary with armour tube 3) Sealing Liquied - Silicon Oil/ Glycerin /Food Grade Oil / Syltherm

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	: SS316 / 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
Sealing Liquid	: Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Top & Bottom Chamber	: Welded Construction

Pressure Ranges	: -1 - 0, 0-1 to 0- 70 Bar (OD98) / 0-100 to 0-250 bar (OD80) / 0-250<0-400 bar(OD110)
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)
Sealing Liquid	: Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Option	: Capillary, Capillary with Armour tube
Top & Bottom Chamber	: Made from solid Bar / Forged Bar

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



**FLANGED DIAPHRAGM SEAL - FLANGE
"I" SECTION TYPE
MODEL-SM19-**

SM20-1

SM20-2



**FLANGED DIAPHRAGM SEAL
EXTENDED NECK TYPE
MODEL-SM20**



**DIAPHRAGM SEAL FULL WELDED
HEAVY DUTY MINI SEAL
MODEL-SM21**



**THREADED DIAPHRAGM SEAL
DIRECT COUPLED TYPE
MODEL-SM22-01**



**DIAPHRAGM SEAL FULL WELDED
DIRECT COUPLED TYPE
COMPACT DESIGN - MODEL -SM23**

DIAPHRAGM SEAL

Pressure Ranges	: 0-4 to 0- 600 Bar
Body	: SS316 / SS316L
Diaphragm	: SS316L
Instrument Connection	: 1/4"/ 3/8"/ 1/2"- BSP / NPT (F)
Process Connection	: 1/4"/ 3/8"/1/2" - BSP /NPT , (M /F)
Sealing Liquid	: Silicon Oil / Glycerin / Food Grade Oil / Syltherm
Seal	: Diaphragm Seal body made from one solid bar,

Pressure Ranges	: 1 - 0 to 0- 40 Bar
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
Sealing Liquid	: Food Grade Oil
Option	: Suitable Size Triclamp, Bottom Matting Part & Gasket

Pressure Ranges	: 1 - 0 to 0- 40 Bar
Top Chamber	: SS316L -1" (DN25) ,1.5" (DN40), 2" (DN50)- Female Type
Union Nut	: SMS / DIN -1" (DN25) ,1.5" (DN40), 2" (DN50)
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Diaphragm	: SS316L
Sealing Gasket	: SILICON
Seal Filling Liquid	: Food Grade Oil

Pressure Ranges	: 0-1 to 0-250 bar
Diaphragm Chamber	: Suit to standard size flanges
MOC	: SS316L
Diaphragm	: SS316L / Monel400 / Inconel600 / Hastelloy -c 276
Instrument Connection	: 1/4" / 1/2" - BSP / NPT (F)
Special Requirements	: 1) Diaphragm with PTFE Coating : 2) Seal with Capillary / armour tube /PVC armour Tube : 3) Sealing Liquied - Silicon Oil / Glycerin / Syltherm



**THREADED DIAPHRAGM SEAL
SCREWED FLUSH TYPE
MODEL-SM24**



**SANITARY DIAPHRAGM SEAL
CLAMP TYPE
MODEL-SM25-01**



**SANITARY DIAPHRAGM SEAL
FLUSH DIAPHRAGM (FEMALE)
MODEL-SM26-01**



**WAFER SEAL - PAN CAKE TYPE
MODEL-SM28-01**



DIAPHRAGM SEAL

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

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



FLANGED DIAPHRAGM SEAL

DIRECT FLANGED FLUSHED TYPE

MODEL-SM29-01



FLANGED DIAPHRAGM SEAL

DIRECT FLUSHED TYPE, ROTATABLE

FLANGE MODEL-SM29-03



ACCESSORIES

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 Backelite cover
Gaskets / Seals	:	PTFE
Maximum working pressure	:	100 bar
Maximum working temperature	:	180°C

Type	:	Pig Tail & U Type syphons
Material	:	SS316,SS316L SS304, CS, BRASS
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" , 40/ 80 / 160
Maximum working pressure	:	As per PT chart
Maximum working temperature	:	As per PT chart
Options	:	Epoxy Coating / IBR Certification /Tag Plate / special connections

Type	:	Flow Adjustable Screw
Material	:	SS304 / SS316 /SS316L / BRASS
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
Maximum working pressure	:	400 bar
Maximum working temperature	:	180°C

Type	:	Bellow / Piston
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
Maximum working pressure	:	600 bar
Maximum working temperature	:	180°C

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

Type	:	To suit all standard flange RF OD
Material Flange facing	:	Raised Face /RTJ
Flushing Port	:	1/8" / 1/4" / 1/2"- Plugged
Maximum working pressure	:	As per Standard Flange Rating
Maximum working temperature	:	300°C
Options	:	Nipple / Needle / Gasket



**GAUGE COCK, ALL STAINLESS STEEL
MODEL-SM30-01**



**SIPHON, ALL STAINLESS STEEL
MODEL-SM30-02**



**PULSATION DAMPENER/SNUBBER
ADJUSTABLE NEEDLE TYPE
MODEL-SM30-03**



**OVERLOAD PROTECTOR
GAUGE SAVER
MODEL- TGI30-04**



**COOLING TOWER
MODEL- SM30-05**



**COOLING TOWER
MODEL- SM30-05**

RTD

Element	: PT-100 /500 / 1000, Class A / B
Range	: -200 400 / 600°C
Wire Combination	: Simplex / Duplex , 2 Wire/3 Wire/4Wire
Accuracy	: IEC-751 I DIN 43760
Sheath Material	: SS316 /SS316L
Sheath Diameter	: 3 / 5 / 6 / 8 /10 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof /Atex.
Terminal Head Material	: Die cast Aluminium / SS304 /SS316
Cable Entry	: 3/4" ET/NPT, 1/2" NPT, M20
Head Extension	: Nipple Union Nipple Extention assembly in ASTM A105 (plated) /SS304 /SS316
Head Extension Length (NUN)	: 100 mm upto 250 mm
Immersion Length	: 50 mm upto 10000 mm
Process Connection	: 1/2" / 3/4" - BSP / NPT, M20 (M)
Others	: With Transmitter 4...20 Ma output, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification

Element	: PT-100 /500 / 1000 , Class A / B
Range	: -200 400 / 600°C
Wire Combination	: Simplex / Duplex, 2 Wire/3 Wire/4Wire
Accuracy	: IEC-751 / DIN 43760
Sheath Material	: SS316 /SS316L
Sheath Diameter	: 3 / 5 / 6 / 8 /10 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof /Atex.
Terminal Head Material	: Die cast Aluminium / SS304 /SS316
Cable Entry	: 3/4" ET/NPT, 1/2" NPT, M20
Process Connection Type	: Fixed Connection
Immersion Length	: 50 mm upto 10000 mm
Process Connection	: 1/2" / 3/4" - BSP / NPT, M20 (M)
Others	: With Transmitter 4...20 Ma output, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification

Element	: PT-100 / 500 / 1000 , Cla ss A / B
Range	: -200 400 / 600°C
Wire Combination	: Simplex, 3 wire
Accuracy	: IEC-751 / DIN 43760
Sheath Material	: SS316 / SS304
Sheath Diameter	: 3 / 5 / 6 / 6.35 / 8 mm
Lead Wire Connector	: Plug and Jack Connection
Immersion Length	: 50 mm upto 10000 mm
Process Connection	: 1/2" / 3/4" - BSP / NPT, M20
Lead Wire Length	: 1000 to 25000 mm
Lead Wire Type	: PTFE / PTFE / SS Braided



RTD
NIPPLE UNION NIPPLE EXTENSION
MODEL- SM31-02



RTD
FIXED THREADED CONNECTION
MODEL SM31-03



RTD
PLUG AND JACK CONNECTOR TYPE
MODEL- SM31-06

THERMOCOUPLE

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 /SS316L / SS310 / INCONEL 600
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Cold End Terminal	: Standard Plug & Jack Connector
Lead Wire Type	: PTFE / PTFE / SS Braided
Immersion Length	: 50 mm upto 10000 mm



**THERMOCOUPLE - PLUG JACK TYPE
MODEL- SM32-06**

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 /SS316L / SS310 / INCONEL 600
Sheath Diameter	: 3 / 5 / 6 / 8 mm Lead
Wire Length	: 1000 to 25000 mm Lead
Wire Type	: PTFE / PTFE / SS Braided
Immersion Length	: 50 mm upto 10000 mm



**THERMOCOUPLE
TRANSITION JOINT TYPE
MODEL- SM32-07**

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded
Sheath Material	: SS316 /SS304
Sheath Diameter	: 3 / 4.5 / 6.35 / 8 mm
Lead Wire Length	: 1000 to 25000 mm
Lead Wire Type	: PTFE / PTFE / SS Braided /FG/FG
Immersion Length	: 10 mm upto 200 mm
Process Connection	: Bayonet ID 12 / 14 mm
Mounting Type	: Straight / 90 Angular / Button Type



**THERMOCOUPLE
SPRING LOADED BAYONET FITTINGS
MODEL- SM32-10**

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 /SS316L / SS310 / INCONEL 600 /SS446
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof / Atex
Terminal Head Material	: Die cast Aluminium / SS304 /SS316
Cable entry	: 3/4" ET/NPT, 1/2" NPT , M20
Head extension Type	: Nipple Union Nipple Assembly in ASTM A105 (plated), SS304 / SS316
Head extension Length	: 100 mm to 250 mm
Immersion	: 50 mm upto 1000 mm
Process connection	: 1/2" / 3/4" - BSP / NPT, M20
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification.



**THERMOCOUPLE NIPPLE
UNION NIPPLE EXTENSION (NUN)
MODEL- SM32-02**

THERMOCOUPLE

Element	: Type-K / J / T / N / E
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: SS316 / SS316L / SS310 / INCONEL 600/SS446
Sheath Diameter	: 3 / 5 / 6 / 8 mm
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof / Atex
Terminal Head Material	: Die cast ALUMINIUM / SS304 / SS316
Cable entry	: 3/4" ET/NPT, 1/2" NPT , M20
Head extension	: Fixed Connection
Immersion	: 50 mm upto 1000 mm
Process connection	: 1/2" / 3/4" - BSP / NPT, M20
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland, CE Certification.



**THERMOCOUPLE
FIXED THREADED TYPE
MODEL- SM32-03**

Element	: Type-K / J / K / N / R / S / B Mineral insulated / Element with ceramic insulator
Accuracy	: Standard to IEC 584 & ANSI MC96.1
No. of Sensors	: Simplex / Duplex
Hot Junction	: Ungrounded / Grounded
Sheath Material	: INCONEL 600 / CERAMIC
Insulator Diameter	: 3 / 5 / 6 / 8 /10 / 12 mm
Wire Diameter	: 24 /25 / 26 / 27 swg,
Terminal Head Type	: Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	: Die cast Aluminium / SS304 / SS316
Cable Entry	: 3/4" ET/NPT, 1/2" NPT , M20
Process Connection Type	: Adjustable / Fixed Flange
Immersion	: 100 mm upto 1000 mm
Process Connection	: Standard Flanges
Head Extension Type	: Head with female threading
Support Tube Material	: SS316/ SS316L / SS310 / INCONEL / SS446
Inner Protection Tube Material	: KER - 610, Pythagoras / KER - 710, Recrystallised Alumina
Inner Protection Tube Size	: 6X1, 8X1.5 / 10X2, 12X2 mm
Outer Protection Tube Material	: KER - 610, Pythagoras / KER - 710, Recrystallised Alumina, Kanthai AF , Kanthai APM, Inconel600
Outer Protection Tube Size	: 6X1, 8X1.5/ 10X2, 12X2, 15X2.5, 20X2.5, 24X3,
Others	: With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland,



**THERMOCOUPLE
CERAMIC PROTECTION TUBE WITH
FLANGE CONNECTION
MODEL-SM32-13**

THERMOCOUPLE

Element	:	Type-K / J / N / R / S / B Mineral insulated / Element with ceramic insulator
Accuracy	:	Standard to ISA & ANSI MC96.1
No. of Sensors	:	Simplex / Duplex
Hot Junction	:	Ungrounded / Grounded
Sheath Material	:	INCONEL 600 / SS316
Insulator Diameter	:	3 / 5 / 6 / 8 / 10 / 12 mm
Terminal Head Type	:	Threaded Cover / Hinged / 2 screwed / Weather -IP65/66/68 / Flame Proof / Explosion Proof
Terminal Head Material	:	Die cast Aluminium / SS304 / SS316
Cable Entry	:	3/4" ET/NPT, 1/2" NPT, M20,
Immersion	:	50 mm upto 1500 mm
Process Connection	:	Standard Flanges - Adjustable / Fixed Type
Head Extension Type	:	Head with female threading
Protection Tube	:	SS316/ SS346 / SS310 / SS316L / Inconel600
Protection Tube Size	:	10X1.5 / 12X1.5 / PIPE 3/8" / PIPE 1/2" / PIPE 3/4"-SCH. 40 / SCH 80
Others	:	With Transmitter, Terminal Block PCD -33 /46 mm, Single / Double Compression Gland



**THERMOCOUPLE
THREADED / FLANGE TYPE
MODEL- SM32-18**

Pressure Transmitters	:	-1 1000 Bar, 4 ... 20mA 0.....10 V, 8 ... 32VDC, 1/4" BSP(M), Operational Temperature : -40 ... 100°C, Brand : Keller Series : 21Y / 23(S)Y / 25Y / 36XW / 36XW Ei / 33X / 35X / 33XEi / 35X Ei.
Digital Pressure Gauges	:	-1 ... 700 Bar, Acc: ±0.1%, SS316L, Read Out , Operational Temperature : -20 ... 70°C Battery : 3V / 3.6V / 1000 Hrs to 2000 Hrs, Brand : Keller Series : LED02 / LED02 Ei / LEX1 / LEX1 Ei / LP / MP / HP / K / P / LPB / HTP / P12.
Flow Instruments / Switches	:	DP Type / Glass Tube Type / Dial with Pointer Type Calibration Tester / Pointer Puller / Bezel Opener / Spar Parts - Electric Contact , Gauge Window, Movement Assembly, Dial, Pointers, Sealing Washer & O Ring ,



AGENCY PRODUCTS

**MODEL- SM36-1
MODEL- SM36-2
MODEL- SM36-3**



THERMOWELL

Material 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	: 6.6 / 7 / 8.5 / 9.6 / 11 / 13 mm in Bar stock Thermowell
Head Type	: Hexagonal, Round
Extension Length	: 45mm / 50mm / special requirement
Insertion Length	: Round Type Upto 1000 mm / Hex Type: Upto 300 mm
Other Options	: Wake Frequency Calculation, Shank surface coating / Lining / Sleeve

Material Construction	: SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	: 3/8" / 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 Thermowell
Head Type	: Round
Extension Length	: 45mm / 50mm / special requirement
Insertion Length	: Round Type Upto 1000 mm
Other Options	: Wake Frequency Calculation, Shank surface coating / Lining / Sleeve

Material Construction	: SS304 / SS310 / SS316 / SS446 / INCONEL / MONEL/HASTELLOY-C
Instrument Connection	: 3/8" / 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 Thermowell
Head Type	: Round
Extension Length	: 45mm / 50mm / special requirement
Insertion Length	: Round Type Upto 1000 mm
Other Options	: Wake Frequency Calculation, Shank surface coating / Lining / Sleeve



**THREADED CONNECTION
BARSTOCK
MODEL- SM33-02**



**THERMOWELL WITH FLANGE
BAR STOCK TYPE
MODEL- SM33-04**



**THERMOWELL -VAN STONE
BAR STOCK TYPE
MODEL- SM33-05**



VALVE & MAINFOLD VALVES

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

Models	: Needle Valves -Isolation , Block & Bleed Valve
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	: MxM / MXF / FXF
Pressure Rating	: 6000 psi / 10000 psi / 20000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS316 / INCONEL / MONEL / HASTELLOY-C

Models	: Needle Valves -Isolation , Block & Bleed Valve
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	: MxM / MXF / FXF
Pressure Rating	: 6000 psi / 10000 psi / 20000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS316 / INCONEL / MONEL / HASTELLOY-C

Models	: Manifold : 2 valves : 1 isolation valve , 1 vent valve
Needle Types	: Hard Seated / Soft Seated
Mounting	: Pipe to pipe , Remote Type
Process & Instr. Connection Size	: 1/4",1/2" -BSP / NPT
Process x Instr. Connection Form	: Female x Female
Pressure Rating	: 6000 psi to 10000 psi
Stem Packing	: PTFE / Grafoil
Material Construction	: SS304 / SS310 / SS316 / INCONEL / MONEL / HASTELLOY-C
Options	: Nace MR0175/MR0103 / Oxygen Service ,

Models	: Manifold : 3 valves : 2 isolation, 1 Equalizer
Needle Types	: Hard Seated / Soft Seated
Mounting	: Pipe to pipe, Remote 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

Models	: Manifold : Isolation, 4 valves
Needle Types	: Hard Seated / Soft Seated
Mounting	: Pipe to pipe, Remote 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

Models	: Manifold : 3 valves : 2 isolation, 1 Equalizer
Needle Types	: Hard Seated / Soft Seated
Mounting	: Pipe to pipe, Remote 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



NEEDLE VALVE (ISOLATION)
MODEL- SM34-01



BLOCK AND BLEED VALVE
MODEL- SM34-02



MULTI PORT VALVE
MODEL- SM34-03



TWO WAY MANIFOLD VALVE
MODEL- SM35-02



THREE WAY MANIFOLD VALVE
MODEL- SM35-03



FOUR WAY MANIFOLD VALVE
MODEL- SM35-04



FIVE WAY MANIFOLD VALVE
MODEL- SM35-05

LEVEL SWITCH

Mounting	: SIDE / TOP
Type	: General Purpose / Sanitary
Specific Gravity	: 0.75
Operating Temp	: -10°C 100°C
Operating Pressure	: 12 Bar
Switch Points	: 1No / 2 Nos / 3Nos / 4 Nos
Process Connection	: 1" BSP / NPT / Standard Flanges
Wetted Parts	: SS316
Ingress Protection	: Weather Proof / Flame Proof / Ex-Proof
Switch Type	: 1SPST & 1SPDT
Switch Rating	: 5A / 230 VAC -Reed Switch
Insertion Length	: 150 mm 3000 mm
Enclosure Protection	: Die Cast Aluminium / SS304, also with surface coating - Epoxy Painting
Wetted Parts Protection	: Non Magnetic SS316 , Surface coating - PVDF / PTFE

Mounting	: TOP
Type	: General Purpose / Sanitary
Specific Gravity	: 0.75 ,
Operating Temp	: -10°C 100°C
Operating Pressure	: 12 Bar
Switch Points	: 1No / 2 Nos / 3Nos / 4 Nos
Process Connection	: 1" BSP / NPT / Standard Flanges
Wetted Parts	: SS316
Ingress Protection	: Weather Proof / Flame Proof / Ex-Proof
Switch Type	: 1SPST & 1SPDT
Switch Rating	: 0.5A / 230 VAC -Reed Switch
Insertion Length	: 150 mm 3000 mm
Enclosure Protection	: Die Cast Aluminium / SS304, also with surface coating Epoxy Painting
Wetted Parts Protection	: Non Magnetic SS316, Surface coating - PVDF / PTFE

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 -Klinger / Borosilicate
Wetted Parts	: SS304 / SS316 / CS105
Distance Center to Center	: 250 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



SS FLOAT, SIDE MOUNTED
MODEL- SM37-01



SS FLOAT, TOP MOUNTED
MODEL- SM38-01



GLASS LEVEL GAUGE - REFLEX
MODEL- SM40-01



LEVEL SWITCH

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 - Klinger / Borosilicate
Wetted Parts	: SS304 / SS316 / CS105
Distance Center to Center	: 250 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

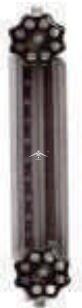
Mounting	: REAR SIDE / LEFT SIDE / RIGHT SIDE / TOP SIDE
Operating Temp	: -10 ... 100°C
Operating Pressure	: Upto 10 Bar
Process Connection	: 1/2" 1" BSP/ NPT / Standard Flanges
Indicator	: Borosilicate Glass Tube / Plexi Glass
Wetted Parts	: SS304 / SS316 / CS105
Distance Center to Center	: 150 mm 2000 mm
Scale	: Aluminium / SS304 /SS316
Least Count	: As per requirement
Options	: Drain / Vent with ball Valves

Mounting	: SIDE / TOP
Type	Side Mounted / Top Mounted
Specific Gravity	: 0.8
Operating Temp	: -10 180°C
Operating Pressure	: 4 bar ... 10 Ba
Process Connection	: 1/4" 1" BSP / NPT
Switch Type & Rating	: 1SPDT / 2 SPDT, 0.5A /230VAC-Reed switch

Mounting	: TOP
Material of Float	POLYPROLINE
Process Conn. Material	: SS316 / PP / CS105 / PVC
Specific Gravity	: 0.8
Operating Temp	: -10 60°C
Operating Pressure	: Max 4 Bar
Enclosure	: Die Cast Aluminium - Weather proof / Flame Proof
Process Connection	: Standard Flanges
Ingress Protection	IP68
Switch Type & Rating	1SPDT, 5A / 250 VAC -Micro Switch
Cable Material & Set Points	PVC / 5 Points
Cable Length	300 mmupto 25 meter



**GLASS LEVEL GAUGE - TRANSPARENT
MODEL- SM40-02**



**GLASS LEVEL GAUGE -TUBULAR
MODEL- SM41-01**



**LEVEL SWITCH, MINIATURE,
SS, SIDE/TOP MOUNTED
MINIATURE LEVEL SWITCH
MODEL- SM42-01**



**CABLE FLOAT LEVEL SWITCH
MODEL- SM42-02**

PRESSURE SWITCH

Features	: Fixed/Field Adjustable(External) / Differential Adjus.- External / Internal
Accuracy	: ± 1% / CL 1
Repeatability	: ±0.5% /CL 0.5, On Raising /On Falling
Mounting	: Bottom / Back Panel / 2"pipe Mounting Bracket
Enclosure	: Die Cast Aluminium -Wheather Proof - IP68
Wetted Parts	: Bottom Body , Diaphragm
MOC	: SS316/ Monel / Inconel / PTFE
Process Connection	: 1/4" BSP(F)
Options	: 3/8", /1/2"-BSP / NPT
Max. Process Temp.	: 150°C
Ambient Temp.	: -20 .. 65°C
Switch Type & Rating	: 1SPDT,2SPDT,DPDT, 5A / 250 VAC / 0.2A 24VDC Standard -Micro Switch with silver Contact.
Micro Switch	: Low/High Dead Band, Hermetically/Environment Sealed/Gold Contact
Ranges	: 10mbar25 bar , -1.... 400mbar
Differential	: 2mbar 6 Bar
Accessories	: Mounting Bracket with bolt - Steel Plated /2" Pipe mounting bracket
Cable Entry	: PG13.5 (std)
Options	: 3/4 ET / 1/2" NPT / DIN Conn/ 4pin / 7pin connectors Single / Double Compression Gland- Weather proof - Brass / SS

Features	: Fixed/Field Adjustable(External)/Differential Adjustment-External/Internal
Accuracy	: ± 1% / CL 1
Repeatability	: ±0.5% /CL 0.5, On Raising /On Falling
Mounting	: Bottom / Back Panel / 2"pipe Mounting Bracket
Enclosure	: Die Cast Aluminium -Wheather Proof -IP68
Wetted Parts	: Bottom Body ,Piston
MOC	: SS316/ Monel / Inconel / PTFE
Process Connection	: 1/4" BSP(F)-Standard
Options	: 3/8",/1/2"-BSP / NPT
Max. Process Temp.	: 150°C
Ambient Temp.	: -20 .. 65°C
Switch Type & Rating	: 1SPDT,2SPDT,DPDT, 5A / 250 VAC / 0.2A 24VDC - Standard : Micro Switch with silver contact
Micro Switch	: Low/High Dead Band, Hermetically/Environment Sealed /Gold Contact
Ranges	: Ranges : Above 25 bar 250 bar
Differential	: 0.125 Bar
Accessories	: Mounting Bracket with bolt - Steel Plated /2" Pipe mounting bracket
Cable Entry	: PG13.5 (std)
Options	: 3/4 ET / 1/2" NPT / DIN Conn/ 4pin / 7pin connectors Single / Double Compression Gland- Weather proof - Brass / SS

Features	: Fixed/Field Adjustable (External)/Differential Adjustment-External/Internal
Accuracy	: ± 1% / CL 1,
Repeatability	: ±0.5% /CL 0.5, On Raising /On Falling
Mounting	: Bottom / Back Panel / 2"pipe Mounting Bracket
Enclosure	: Die Cast Aluminium - Flame Proof- IIA IIB IIC T6 ZONE 1 & 2
Wetted Parts	: Bottom Body, Piston
MOC	: SS316/ Monel / Inconel / PTFE
Process Connection	: 1/4" BSP(F) - Standard
Options	: 3/8",/1/2"-BSP / NPT
Max. Process Temp.	: 150°C
Ambient Temp.	: -20 .. 65°C
Switch Type & Rating	: 1SPDT,2SPDT,DPDT, 5A / 250 VAC / 0.2A 24VDC - Standard : Micro Switch with silver contact
Micro Switch	: Low / High Dead Band, Hermetically /Environment Sealed /Gold Contact
Ranges	: Above 25bar 250 bar
Differential	: Fixed / Adjustable
Accessories	: Mounting Bracket with bolt - Steel Plated /2" Pipe mounting bracket, Diaphragm Seal, Syphon, Snubber, Cooling Tower
Cable Entry	: 3/4 ET / 1/2" NPT Double Compression Gland- Flame Proof - Brass/SS



WEATHERPROOF PRESSURE SWITCH
LOW PRESSURE SWITCH
MODEL-SM44-01



HIGH PRESSURE SWITCH
MODEL- SM44-02



FLAME PROOF PRESSURE SWITCH
HIGH PRESSURE
MODEL-SM46-02

PRESSURE SWITCH

Features	: Fixed / Field Adjustable
Accuracy	: $\pm 2\%$ / CL 2%
Repeatability	: $\pm 2\%$ / CL 2
Range	: 1.....160 bar
Mounting	: Bottom
Wetted Parts	: Bottom Body , Diaphragm / Piston
MOC	: SS304/SS316
Process Connection	: 1/4"BSP(M)
Options	: Option: 1/8" / 3/8" / 1/2"- BSP / NPT / MM
Max. Process Temp.	: 100°C
Ambient Temp.	: -20 .. 150°C
Switch Type & Rating	: 1SPST, 5A / 220 VAC - Contact Type
Switching Type	: NO / NC

Dial Size	: DN40 / DN50 / DN63 / DN80 / DN100 / DN125 / DN150 / DN250
Temp. Range	: -100 to 600°C
Accuracy	: $\pm$ 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

Dial Size	: DN100 / DN125 / DN150 / DN250
Temp. Range	: -100 to 650°C
Accuracy	: $\pm$ 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

Dial Size	: DN100 / DN150, Window- standard Glass
Temp. Range	: -100 to 650°C
Accuracy	: $\pm$ 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, H.V
Case & Bezel	: SS304/316, - Stem / Probe TIG welded with Case



**MINIATURE PRESSURE SWITCH
MODEL- SM49-01**



**BIMETAL TEMPERATURE GAUGES
MODEL-SM50**



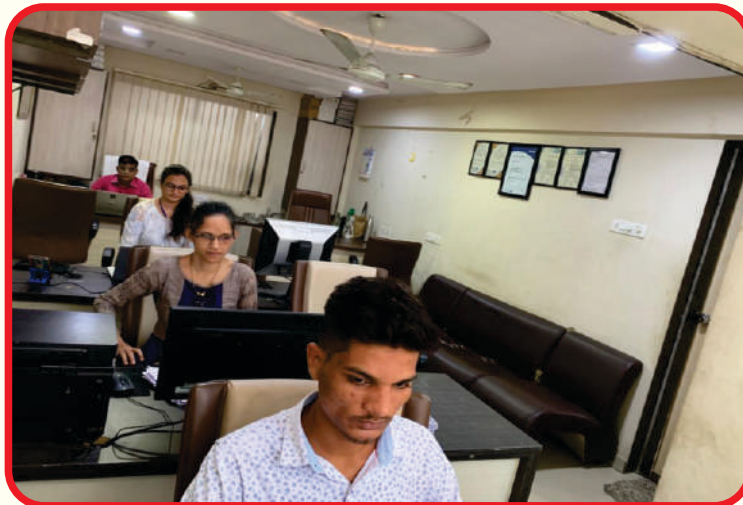
**GAS FILLED TEMPERATURE GAUGES
MODEL-SM51**



**ELECTRIC CONTACT TEMPERATURE
GAUGES -STD. GLASS
MODEL-SM52**



SMIPL is Certified Company having approval of EIL, BHEL, L&T, ISO 14001:2015, ISO 4500:2018, CE/PED



SHREEMARUTI INSTRUMENTS PUT. LTD.

Regd. Office:

73/9, 73 Gudge House, 5th Kumbharwada,
Near Maruti Mandir, Mumbai 400004. INDIA

Factory :

Royal Industrial Hub, Plot. No.15,
Survey No.30+31+2/2/2/NH-48 Highway Road,
Opp.(JRF UPL), Village Valvada. VAPI .
Tal. Umbergaom Dist.:Valsad, Gujarat - 396191,India

✉ Email :- info@smiplvapi.com, rameshpatil@smiplvapi.com

🌐 Website :- www.smiplvapi.com,

☎ Mobile:- (+91) 9825656785