

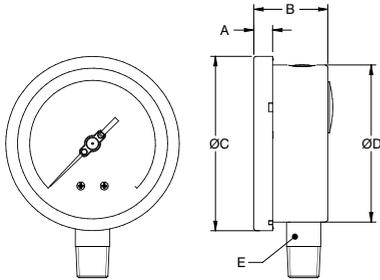


PRESSURE GAUGES
TEMPERATURE GAUGES
PRESSURE SWITCHES
LEVEL SWITCHES



An initiative to help you to identify the inferior quality of products while you purchase, to the actual requirements at your plant...

KYP : All SS Pressure Gauges



DN	A	B	ØC	ØD
100	12	48	111	100
125	15	48	129	118.5
150	15	48	161	149
250	18,5	50	263	250



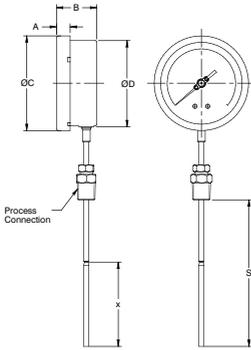
Note : Dimensions are of Bottom Connection. For further details refer detailed catalogue.

Sr. No.	Parameters to be Observed	Presently available in the market	ITEC® follows International standards
1	Case & Bezel or Body Or Enclosure	Mild Steel (MS) / AISI 202 SS Die-cast aluminum / AISI 304 SS	AISI 304 SS (Bayonet type)
2	Sensing element (Bourdon Tube)	Stainless steel / AISI 304 SS AISI 316 SS / AISI 316L SS	AISI 316L SS
3	Socket or Shank or Connection	Stainless steel / AISI 304 SS AISI 316 SS / AISI 316L SS	AISI 316L SS (Directly welded to case)
4	Enclosure protection	IP-32 / IP-54 / IP 65	IP - 65
5	Scale printing on dial	Single scale / Dual scale Single color / dual color	Dual scale with dual color
6	Pointer	Fixed / Slotted Zero Adjustable Micrometer Zero Adjustable	Micrometer Zero Adjustable with dual gear and balanced
7	Accuracy	±2.0% / ±1.6% / ±1.0% FS	±1.0% FS
8	Manufacturing Norms	Unknown	EN 837-1 (Marked on dial)
9	Company status	ISO 9001 (max.)	ISO 9001, ISO 14001 & ISO 18001

Tips :
Using a right wetted part pressure gauge with suitable ingress protection will help to increase the instrument life in use and reduce your maintenance cost and downtime.



KYP : Inert Gas filled Temperature Gauge



DN	A	B	ØC	ØD
100	12	48	111	100
125	15	48	129	118.5
150	15	48	161	149
250	18.5	50	263	250



Note : Dimensions are of Bottom Connection. For further details refer detailed catalogue.

Sr. No.	Parameters to be Observed	Presently available in the market	ITEC® follows International standards
1	Case & Bezel or Body Or Enclosure	Mild Steel (MS) / AISI 202 SS Die-cast aluminum / AISI 304 SS	AISI 304 SS (Bayonet type)
2	Sensing element (Bourdon Tube)	Brass / Stainless steel	AISI 316 SS
3	Stem material (sensor)	M.S. / Copper / Stainless steel	AISI 316 SS
4	Sensor filling	Mercury / solvent gas	Inert gas (N ₂)
5	Capillary	M.S. / Copper / Stainless steel	AISI 316 SS
6	Scale printing on dial	Linear or Non-Linear	Linear
7	Pointer	Fixed / Slotted Zero Adjustable Micrometer Zero Adjustable	Micrometer Zero Adjustable with dual gear and balanced
8	Accuracy	±2.0% / ±1.6% / ±1.0% FS	Class 1 as per EN 13190
9	Manufacturing Norms	Unknown	EN 13190
10	Company status	ISO 9001 (max.)	ISO 9001, ISO 14001 & ISO 18001

Tips :

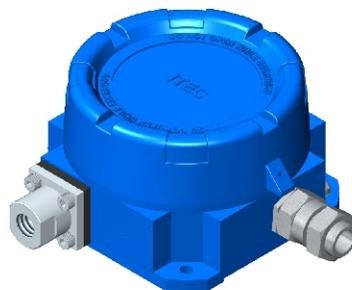
Use of temperature compensation will reduce the effects of the capillary and atmospheric temperature effects associated with gas filled gauges.



KYP : Weather proof / Explosion proof Pressure Switch



Ex d IIC T6 Gb (-10°C ≤ Ta ≤ +60°C) Zone 0, 1 & 2
As per IS/IEC 60079-1 : 2007



Sr. No.	Parameters to be Observed	Presently available in the market	ITEC [®] follows International standards
1	Case & Bezel or Body or Enclosure	Pressed Steel, M.S., PP Die-cast aluminum	Low carbon aluminum for all industrial use
2	Sensing element	AISI 304 SS / Neoprene	AISI 316 SS
3	Enclosure protection	IP 65	IP 67
4	Scale Accuracy	± 2.0% F. S.	± 1.0% F. S.
5	Repeatability	± 1.0% F. S.	± 0.5% F. S.
6	Scale printing on dial	Single scale	Dual scale in 'bar & kg/cm ² In dual color
7	Range availability	Limited	Wide range -20 mbar up to 600 bar
8	Manufacturing Norms	Unknown	BS 6134 (Type tested)
9	Company status	ISO 9001 (max.)	ISO 9001, ISO 14001 & ISO 18001

Tips :

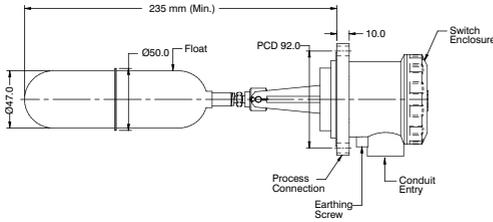
It is being advised that the set point to be selected in the middle ranges of the scale to have the best and precise switching.



KYP : Side Mounted Level Switch

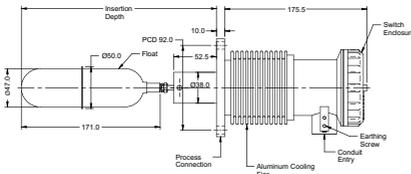


Standard Version



Sr. No.	Parameters to be Observed	Presently available in the market	ITEC® follows International standards
1	Case or Body Or Enclosure	P. P. / Die-cast Aluminum	Pressure die-cast aluminum for all industrial use
2	Wetted parts	Stainless steel + Carbon Steel	AISI 316 SS
3	Float size	Undersized / Ø28 x 150 mm Ø28 x 120 mm / Ø50 x 100 mm Ø50 x 150 mm	Ø50 x 150 mm
4	Process connection flange	Fabricated from plate/ sheet	Forged machined
5	Conduit plugs	Plastic / Nickel plated brass	Stainless Steel
6	Company status	ISO 9001 (max.)	ISO 9001, ISO 14001 & ISO 18001

HIGH TEMPERATURE VERSION (Up to 350°C)



Tips :
An external chamber has to be used together with the instrument when there is an internal structure or agitators or high pressure / temperature present in the tank.



ITEC Srl. (Industria **T**ecnologica) as the name means was started in order to serve the Industry by manufacturing and selling the mechanical pressure and temperature gauges. The company was founded by Mr. Enzo Del-Conte in 1989 (who having almost more than 45 years' experience in this field) at via Battisti in Inverio about 50 miles away from Milan, Italy and a 100% family owned company. In the beginning, the manufacturing of differential pressure gauges and diaphragm seals started. These products find a greater demand and market in Oil & Gas, Chemical and Petrochemical industries as they were flourishing and expanding the operations worldwide. The stainless steel gauge, gas filled thermometers & bi-metal thermometers were added in to manufacturing in 1990s' to enable to serve the market in a wider manner.

Quality was always the key concern for ITEC and got certified for ISO 9001 in 1998. The ATEX certification as part of the product innovation and meeting the EU regulations for specific industries has done in the 2000s'. Technical expertise is always a plus point for ITEC, with Mr Del-Conte personally heading the Product Innovation Department. With sales increasing, the need to have the vendor registration with major oil & gas, Chemical & Petrochemical become a necessity, hence ITEC started the process of vendor listing with various worldwide oil & gas firms in 2000s' and listed as well and going on as a continuous.

In 2011, ITEC expanded its operation in to India with JV forming with the Bhimani family to set-up ITEC Measures Pvt. Ltd. This enabled ITEC to expand its product portfolio with RTDs / Thermocouples / Thermowells, Pressure / Temperature switches and Level Switches / Instruments. The manufacturing plant is located in Vapi, Gujarat almost 150 km from heart of Mumbai. The firm as like its Italian counterpart also an ISO 9001: 2008 company. The factory set-up has a total built-up area of 25,000sqm. with most modern CNCs and testing facilities for the machining and testing of the instrument it manufacture. As part of the continuous improvement derivatives, the management of ITEC has decided in perusing the ISO 14001 & OHSAS 18001 certifications to have the Integrated Management Systems in place to comply with norms of its customers.

Customization is one of the principle ITEC believes in. This drive us to develop many innovative design during our 25 years of span in the industry. Some of them are the External Zero Adjustment facility in pressure, differential pressure instruments, which helps our customer the easy correction of reading in dampened gauges, differential pressure measurement up to 40 bar with single side static up to 400 bar, etc. ITEC also customize various kind of diaphragm seals to meet its customer requirements.

In 1990s' ITEC started offering the OEM services to some of the major industries across Europe, which ITEC still offer to its Customers and started offering from our India factory from mid of 2014. These services include tailor-made product solutions and private labeling of the standard product it manufacture. ITEC engineering teams (Italy & India) work hand-in-hand to meet the customization of the product and come out with most economic and technically compatible solution for the OEM industries, such as the bayonet type thermocouple or for the bearing temperature RTDs for the power generators or the gold plated diaphragm seals for the Petroleum industry.

And in the end, as our tagline, we are **ITEC ...measuring with you.™**

Certifications & Manufacturing Locations:

ITEC srl., ITALY

ITEC Measures Pvt. Ltd., INDIA



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