

MICRO Digital Pressure Gauge is full electronic structure and battery powered, which make it very easy for onsite installation. Specifically, a high precision piezo resistive pressure sensor is used and output signal is processed by high precision low temperature drifting amplifier and then sent to high precision Analog to Digital converter to be converted in to digital signal and after being computed and processes, the actual pressure value is showed on to LCD screen.

Series BPZ2006 is a TRUE media isolated, wet/wet digital differential pressure gauge designed to measure corrosive gases and liquids. Its rugged construction incorporates a micro machined silicon pressure sensors (MEMS) and has no moving parts ensuring long life. Pressure is transferred from diaphragm to sensor through silicon oil.



PRESSURE / ΔP GAUGES



MPC-05



BPZ-2000



TX-430



BPZ-2006

Description	Model			
	MPC-05	BPZ-2000	TX-430	BPZ-2006
Measurement	Pressure	Pressure	Pressure	Differential Pressure (ΔP)
Display	5 Digit, 15 mm High 2 Line Backlit LCD with Bar Graph	4 Digit, 18 mm LCD with Bar Graph Display	5 Digit 7 Segment single line LCD display	5 Digit, 18 mm High LCD with Bar Graph Display
Resolution	As per range and unit selection			
Calibration	Password Protected	N. A.	Password Protected	N. A.
Accuracy	±0.5% of FS or Better	±0.25 of FS or Better	±0.15 of FS	±0.25 of FS or Better
Power Supply	9V Alkaline Battery	9V Alkaline Battery	7.5 VDC (1.5 x 5 No Alkaline)	9V Alkaline Battery
Battery Life	2000 Hours in continues mode 2 years in sleeping mode	2 Years in Power Saving Mode	1000 hours in Continues Mode	2 Years in Power Saving Mode
Bar Graph	Pressure on percentage of dynamic display (in progress bar display)	Pressure on Percentage of dynamic display (In progress bar display)	N. A.	Pressure on Percentage of dynamic display (In progress bar display)
Enclosure	S.S. 304 Snap Action Case with bayonet bezel Ø100 mm	ABS Ø67 mm x 116 mm Height	Aluminim Anodized Ø100 mm	ABS Ø67 mm x 116 mm Height
Sampling Rate	4 Times / Sec.			
Key Pad	Soft Touch Keypad on Front Window			
Proof Pressure	150% of FS	200% of FS or 6000 PSI whichever is lower	150% of FS	200% of FS or 6000 PSI whichever is lower
Burst Pressure	N. A.	300% of FS or 10000 PSI whichever is lower	N. A.	300% of FS or 10000 PSI whichever is lower
Media Compatibility	All corrosive media compatible with SS 316			
Temperature	-20... 70 Deg C	-1... 49 Deg C	0... 50 Deg C	-1... 49 Deg C
Process Connection	1/4" BSP (M)	1/4" NPT (M)	1/4" BSP (M)	1/4" - 1/8" NPT (M)
Engineering Units	Mpa, kPa, Pa, bar, psi, Tor, ATM, Kg/cm ² , mmH ₂ O, MH ₂ O	psi, bar, Kg/cm ² , kPa	Kg/cm ² , bar, psi, kPa, mmHg, Inch Hg, mmH ₂ C Inch H ₂ O	psi, bar, Kg/cm ² , Kpa
Pressure Ranges	-1 to 700 bar	0-1000 bar	-1 to 700 bar	0 to 35 bar