Digital Pressure Gauge
Model: DPG83

DPG83 is an integrated pressure gauge with display used to monitor fluids pressure. It monitors the pressure via the resistance measured on an isolation membrane. The output signal is amplified by a high-precision, low-temperature drift amplifier. The signal is then fed into a high accuracy A/D converter for the microprocessor to process and then show on the LCD display.

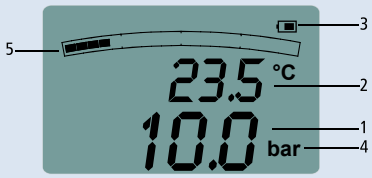


APPLICATIONS

Hydro-Power
Water Treatment
Petroleum
Chemical
Mechanical
Hydraulic, and other industries

SPECIFICATIONS

Pressure Range	-1…0 to 0…2200bar (customable)
Accuracy	±0.2%F.S. ; ±0.5%F.S.
Display	LCD (50×30mm) with backlight button 1. 4½ numerical digits for pressure value Peak pressure value 2. Ambient temperature 3. Battery life indicator 4. Pressure Unit 5. 20 segment pressure range bar graph (each segment equals 5% of range)
Pressure Unit	MPa, bar, kgf/cm², psi (switch via button)
Power supply	Two 1.5V AAA alkaline battery
Overload Pressure	120%F.S.
Long Term Stability	±0.3%F.S. / year
Material	Housing : SS304 Process Connection : SS304 (standard) ; SS316 Diaphragm : SS316L
Process Connection	G1/2", G1/4", 1/2"NPT, 1/4"NPT , 1/2"PT, 1/4"PT, Tri-clamp
Operating Temperature	-20℃~+85℃ ; with cooling fin for -20℃~+120℃ / -20℃~+150℃
Storage Environment	-10℃~+60℃ Relative humidity less than 80%
Protection	IP54

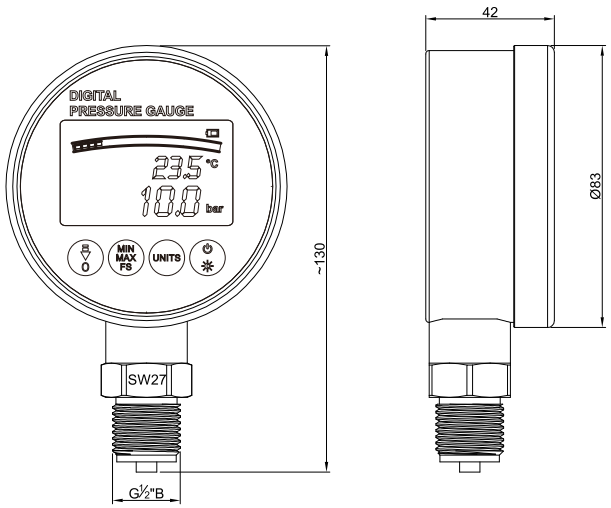


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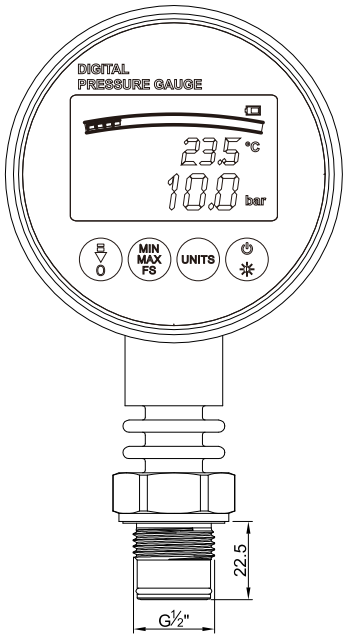
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DIMENSIONS in mm

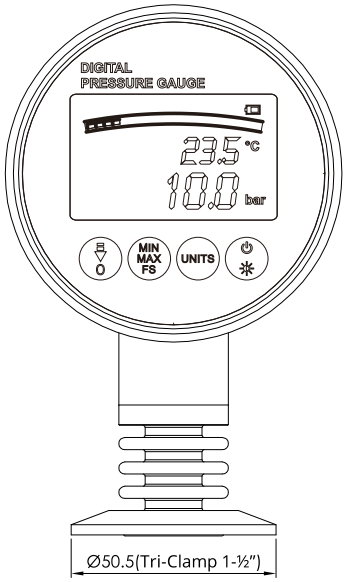
Standard



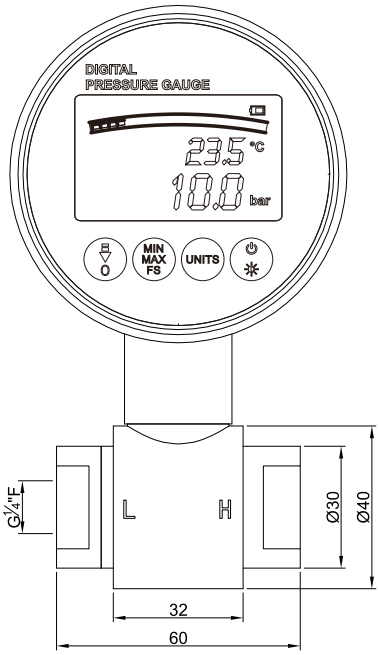
Flush membrane pressure interface



Tri-clamp



Differential



Digital Pressure Gauge
Model: DPG83

HOW TO ORDER

(1) Model

DPG83

(2) Pressure range

01	0…0.1 bar	**10**	0…10 bar	**19**	0…250 bar	**28**	-1…1 bar
02	0…0.2 bar	**11**	0…16 bar	**20**	0…400 bar	**29**	-1…5 bar
03	0…0.35 bar	**12**	0…20 bar	**21**	0…600 bar	**30**	-1…10 bar
04	0…0.6 bar	**13**	0…25 bar	**22**	0…1000 bar	**31**	-1…15 bar
05	0…1 bar	**14**	0…35 bar	**23**	0…1500 bar	**32**	-1…30 bar
06	0…2 bar	**15**	0…50 bar	**24**	0…2000 bar	**99**	Custom
07	0…2.5 bar	**16**	0…70 bar	**25**	0…2200 bar		
08	0…4 bar	**17**	0…100 bar	**26**	-0.2…0.2 bar		
09	0…6 bar	**18**	0…160 bar	**27**	-1…0 bar		

*Pressure Units：MPa ; bar ; kgf/cm^2 ; psi

(3) Pressure Type

G	Gauge pressure
A	Absolute pressure
D	Differential pressure

(4) Process Connection

G4A	G1/4 A ISO1179-2 male	**7U**	7/16-20UNF male
G2A	G1/2 A ISO1179-2 male	**9U**	9/16-18UNF male
G3A	G3/8 A ISO1179-2 male	**G4F**	G1/4 female
G4B	G1/4 B EN837 male	**N4F**	1/4”NPT female
G2B	G1/2 B EN837 male	**G2D**	G1/2" Flush
G3B	G3/8 B EN837 male	**G8D**	G1” Flush
N4	1/4”NPT male	**N2D**	1/2”NPT Flush
N2	1/2”NPT male	**C1**	Tri-clamp 1½”(Ø50.5mm)
R4	1/4”PT male	**C2**	Tri-clamp 2”(Ø64mm)
R2	1/2”PT male	**99**	Custom
M2	M20x1.5 male		

(5) Medium Temperature

T1	-20 to 85℃
T2	-20 to 120℃ (With cooling fin)
T3	-20 to 150℃ (With cooling fin)

(6) Accuracy

A1	±0.2%F.S.
A2	±0.5%F.S.

(1)	(2)	(3)	(4)	(5)	(6)	Example：DPG83-10-G-N4-T1-A1