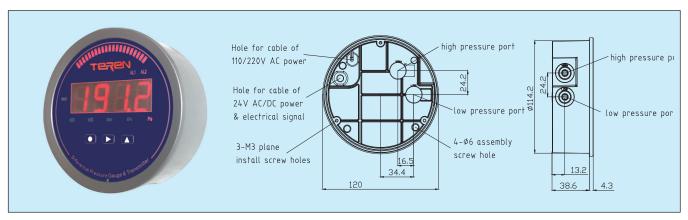
DPG Multifunction Digital Differential Pressure Gauge





Applications & Features

- Apply high accuracy MEMS sensor and digital technologies, can measure positive, negative or differential pressure. It can replace most of the traditional pointer mechanical gauges.
- It can measure fan and blower pressures, filter resistance, air velocity, furnace draft, pressure drop across orifice plates, liquid level of bubbler systems and pressure amplifier or hydraulic system.
- It can be used in medical care equipment to monitor blood and respiratory pressures.
- · Suitable for surface, panel or flush mount
- Multiple ranges and engineering units selectable
- No any movable parts, no any effect on vibration
- The accuracy is up to ±1% FS
- Function keys: zero calibrate, units select, relay set, etc.
- Optional arch LED display for output and alarm

Specifications

Medium: non-combustible, non-corrosive air, not sensitive to

moisture, dust, condensation and oil

Medium Temp.: 0-60°C

Materials: cast aluminum housing and PC plate

Work Environment: -20~+85°C Compensated Temp.: 0-50°C

Work pressure: 1, 2, 5 or 10Kpa for different ranges

overload 5xFS, burst 10xFS

Dimension: see diagram

Connection: 1/8" ID tubing, two pairs (on left side and back)

Display: 4 bits 0.8" red LED

Relay output: 2×SPST, 3A×30VDC/250VAC or 1×Buzzer

Accuracy: ±1.0% FS, see accuracy table Long term stability: ±0.5%FS /Year Zero Thermal effect: <0.05%FS/°C

Full measuring Thermal effect: <0.08%FS/°C

Response time: 0.5-30s

Power: 15-28V AC or 15-36V DC, optional 85-265V AC

Key: 3 touch buttons Protection: IP65 Weight: 340g Approval: CE

Accessory: A-S0 is standard. Options are A-S1, A-S2 and A-S7-X. They can be used for surface, panel or flush mount and should be ordered separately. See details in

Accessories.

Models

Model	DPG					DP gauge		
Range		See table				Ranges selection		
Arch			0			N/A		
LED			1			Arch LED		
				0		N/A		
Relay				1		2×SPST		
				2		1×Buzzer		
Power					0	15-28V DC/AC		
Fower					1	85-265V AC		

Measuring ranges/Accuracy table

Code		Accuracy(%FS)					
	Pa	Pa	kPa	in w.c.	mm w.c.	mbar	DPG
1	0-60	60.00	0.060	0.250	6.000	0.600	3%
2	0-125	125.0	0.125	0.500	12.00	1.250	2%
3	0-250	250.0	0.250	1.000	25.00	2.500	1%
4	0-500	500.0	0.500	2.000	50.00	5.000	1%
5	0-1000	1000	1.000	4.000	100.0	10.00	1%
6	0-2500	2500	2.500	10.00	250.0	25.00	1%
7	0-5000	5000	5.000	20.00	500.0	50.00	1%
8	0-10000	10000	10.000	40.00	1000.0	100.00	1%
9	0-20000	20000	20.000	80.00	2000.0	200.00	1%

Note: 1. For zero center models, add "Z" at the end of the model. For example, DPG1***Z, means -30-0-30pa

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^{2. 5} engineering units can be set by the key and then the related LED will be on