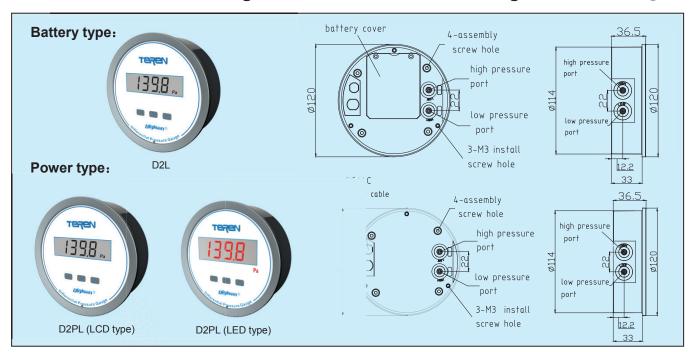
D2L/D2PL Economical Digital Differential Pressure Gauge





Applications and features

- Apply high accuracy MEMS sensor and digital technologies, can measure positive, negative or differential pressure. It can completely replace the traditional pointer mechanical gauges
- It can measure fan and blower pressures, filter resistance, air velocity, pressure drop across orifice plates, differential pressure of medical or pharmaceutical machine, etc.
- No any movable parts, no any effect on vibration.
- With ultra-thin design of 33mm, it could be flush, surface or wall mount
- The accuracy is up to ±1% FS, with large LCD or LED display.
- Function keys: zero reset, units select, display update time, automatic sleep time, etc.

Specifications

Medium: Non-combustible, non-corrosive air, insensitive to moisture, dust, condensation and oil

Working Temp.: D2L: -10~50°C

D2PL: -20~85°C(LED); -10~60°C (LCD)

Medium Temp.:0~60°C Temp Compensation: 0~50°C

Working pressure: over load 10xFS, burst 15xFS

Accuracy: ±1.0%FS

Long term stability: ±0.5%FS /Year

Thermal effect: $<0.05\%FS/^{\circ}C(zero),<0.08\%FS/(FS)$

Battery type(D2L):

Display: 4 bits LCD, 18mm character height with units

indication

Power: AA battery X4, recommend LR6alkaline Display update time: selectable for0.5/1/5/10s (default1s)

Automatic sleep time: selectable for normal open (NO),

or 1/5/10min (default 1 min)

Battery service life: when display update time=1s and automatic sleep time=NO, ≥2 year. When display time>1s or automatic sleep time≥1min, will be longer. It also depends on the quality of the

Power type(D2PL):

Display: 4 bits LCD with 18mm character height and unit

indication, or 4 bits 0.8"red LED

Power: 15~28VDC/AC or 85~265VAC

Process Connection: 5mm ID tubing, two pairs (on left or

back side)

Keys: 3 touch buttons Materials: ABS Protection: IP65

Weight: D2L<300g (including batteries), D2PL<260g

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

1. D2L (battery type) Models

/~	, ,	, 1,60, 11104010					
model	D2L		Economical digital DP gauge				
Range		See table					

2. D2PL (power type) Models

2: 22: 2 (porror typo) modele										
Model	D2PL				Economical DP gauge					
Range		See table								
Display			0		LCD					
			1		LED					
Power				0	15~28VAC/DC					
				1	85~265VAC					

Measuring Range

Cada	Unit & Range & Resolution for Display								
Code	Pa	Pa	KPa	in w.c.	mm	mbar			
3	0-250	250.0	0.250	1.000	25.00	2.500			
5	0-1000	1000	1.000	4.000	100.0	10.00			
7	0-5000	5000	5.000	20.00	500.0	50.00			
8	0-10000	10000	10.00	40.00	1000	100.0			

- 1. 5 engineering units can be set by the key and related LCD or LED will
- For zero center models, add "Z" at the end of the model. For example, D2L3Z, means -125-0-125pa. Only ranges3 and 5have this selection

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