



# PRODUCT INFORMATION

## Digital Pressure Gauge DP Gauge

**DP-340**  
**DP-340B**  
**DP GAUGE**

**Big, Bright and User-friendly Display**  
**Traceability Certificate and Inspection Record are enclosed.**  
**Ideal for acquiring ISO9001 and other standards**



DP-340



DP-340B with Upper/Lower Limit Setting & Auto-Zero

### ■ Features

- Big LED display, easy to read even from distant area
- Various ranges available from 1kPa micro pressure to 50MPa high pressure
- Built-in pressure sensor (Sensor separate model is also available)
- Easy replacement by current DP-320, DP-330 and comes with traceability certification and inspection report
- Power supply is DC24V and can be used for AC100-240V with included adaptor.

Versatile DP Gauge (Sold Separately)

**DP-330BA**

2 x Upper & 2 x Lower Limit Setting  
10 test stations  
Display/Peak/Button value hold  
User SPAN etc.

### ■ Application Examples

- Pressure Value Display in Testing Machine
- Test Pressure Monitoring of Leak or Flow Test etc.
- Pressure Decay Method
- Hole Diameter & Dimension Test by Pressure Deviation
- Pressure Monitoring inside of Tubing or Container
- Differential Pressure Test of Orifice, Pilot Tube
- Others

### ■ Features

✓: Equipped    Δ: Option    -: Not Equipped

Item	Description	DP-340	DP-340B
Large LED Display	Maximum Display 1999 / Red 7 segment LED / Digit Height 15mm	✓	✓
Zero Adjustment	Zero-point adjustment by just pushing a button	✓	✓
Keyboard Lock	Keyboard lock to prevent false operation	✓	✓
Analog Output	Analog voltage output in proportion to the displayed value	✓	✓
DC24V Power Source	(AC100V-AC240V)DC24V Power source adaptor	✓	✓
Upper/Lower Limit Level Settings	Upper limit (HI), Lower limit (LO), Alarm setting, HI, IN, LO external output	-	✓
Auto-Zero	Current displayed reading can be changed to Zero, and after that measures the pressure difference	Δ*	✓
BCD Digital Output	Parallel BCD digital output, Data transfer to external instruments	Δ	✓
Hold	Hold specific reading value by external signal	Δ*	✓

Δ\*: The feature can only be externally operated in the BCD option.

## Model

Display only

With Upper/Lower limits

DP-340 - A - B - C

DP-340B - A - B - C

Please see the following chart:

	Classification	Code	Description
A	Pressure Range		See the Pressure range chart
		Sensor Type	N
S1	Pressure sensor outside		
S2	Pressure sensor outside with drip-proof (Gauge pressure type only)		
B	Other Options	B	(DP-340 only) BCD option
		F1	Analog output F.S.5V
		F2	Analog output F.S.10V
		A	Analog current output 4-20mA
C	With Power adaptor (Standard)	VG	AC100V with Power cable 3m
		VH	AC240V with Power cable 2m
	Without Power adaptor	VJ	Without Power adaptor. Separately 24VDC need to be prepared

## Pressure Range Chart

Range Code	Pressure Type	Measurement Range	Display Digit at F.S.	Range Code	Pressure Type	Measurement Range	Display Digit at F.S.
1KD	Differential Pressure	0 ~ 1kPa	1.000	5MG	Gauge Pressure	0 ~ 5MPa	5.00
2KD	Differential Pressure	0 ~ 2kPa	1.999	10MG	Gauge Pressure	0 ~ 10MPa	10.00
5KD	Differential Pressure	0 ~ 5kPa	5.00	20MG	Gauge Pressure	0 ~ 20MPa	19.99
10KD	Differential Pressure	0 ~ 10kPa	10.00	50MG	Gauge Pressure	0 ~ 50MPa	50.0
20KD	Differential Pressure	0 ~ 20kPa	19.99	V1KD	Vacuum Pressure	0 ~ -1kPa	-1.000
50KD	Differential Pressure	0 ~ 50kPa	50.0	V2KD	Vacuum Pressure	0 ~ -2kPa	-1.999
100KD	Differential Pressure	0 ~ 100kPa	100.0	V5KD	Vacuum Pressure	0 ~ -5kPa	-5.00
50KG	Gauge Pressure	0 ~ 50kPa	50.0	V10KD	Vacuum Pressure	0 ~ -10kPa	-10.00
100KG	Gauge Pressure	0 ~ 100kPa	100.0	V20KD	Vacuum Pressure	0 ~ -20kPa	-19.99
200KG	Gauge Pressure	0 ~ 200kPa	199.9	V50KD	Vacuum Pressure	0 ~ -50kPa	-50.0
500KG	Gauge Pressure	0 ~ 500kPa	500	V100KD	Vacuum Pressure	0 ~ -100kPa	-100.0
1MG	Gauge Pressure	0 ~ 1MPa	1.000	V50KG	Vacuum Gauge Pressure	0 ~ -50kPa	-50.0
2MG	Gauge Pressure	0 ~ 2MPa	1.999	V100KG	Vacuum Gauge Pressure	0 ~ -100kPa	-100.0

NOTE: Pressure/Vacuum is available upon request.

## Specifications

	Differential Pressure	Gauge Pressure
Pressure Media	Air/Noncorrosive gases	Air/Noncorrosive gases and liquid
Sensing Element	Beryllium copper	SUS630
Transducer Type	Inductance type	Capacitance type
Accuracy	±0.3% of F.S. ±1digit	±0.25% of F.S. ±1digit
Temperature Characteristic: Zero	±0.03% of F.S./ °C	
Temperature Characteristic: Span	±0.03% of F.S./ °C	
Allowable Pressure	10 times of F.S. (but up to 500kPa)	Ranges 5MPa or lower: Twice of F.S. Other ranges: 1.5 times of F.S.
Maximum Line Pressure	Twice of the proof pressure	-
Response Time	≤ 300 ms (99% of F.S.)	≤ 30ms (99% of F.S.)
Display Digits	3.5 digits 000 ~ ±1999	
Sampling Time	250ms/50ms (Toggleable)	
Analog Output	0.5, 1 or 2 VDC. The specified voltage corresponding to the display reading for the pressure range is output. / Analog output accuracy Differential Pressure:±0.3% of F.S. Gauge Pressure: ±0.25% of F.S.	
BCD Output	DP-340B: Equipped as standard / DP-340: Option	
Power Source	24VDC 0.2A (with 100 ~ 240VAC power adaptor)	
Operating Temperature	5 ~ 40°C	
Pressure Connection Port	Rc1/8	
Outline Dimensions	140(W) x 66(H) x 110(D) mm	
Panel-cut Dimensions	133 (W) x 61(H) mm	

The contents in this catalog are as of April 2014. Any details are subject to change without prior notification.



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