**PRODUCT INFORMATION**

**Digital Pressure Gauge**

DP Gauge

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

![DP-340](image1.png)

![DP-340B](image2.png)

**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.

**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**

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

✓: Equipped  Δ: Option  -: Not Equipped

Δ*: The feature can only be externally operated in the BCD option.
**Mode**
Display only
With Upper/Lower limits

### Pressure Ranges

<table>
<thead>
<tr>
<th>Range Code</th>
<th>Pressure Type</th>
<th>Measurement Range</th>
<th>Display Digit at F.S.</th>
<th>Range Code</th>
<th>Pressure Type</th>
<th>Measurement Range</th>
<th>Display Digit at F.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1K</td>
<td>Differential Pressure</td>
<td>0 to 1kPa</td>
<td>1.000</td>
<td>5K</td>
<td>Gauge Pressure</td>
<td>0 to 5MPa</td>
<td>5.00</td>
</tr>
<tr>
<td>2K</td>
<td>Differential Pressure</td>
<td>0 to 2kPa</td>
<td>1.999</td>
<td>10K</td>
<td>Differential Pressure</td>
<td>0 to 10kPa</td>
<td>10.00</td>
</tr>
<tr>
<td>5K</td>
<td>Differential Pressure</td>
<td>0 to 5kPa</td>
<td>5.00</td>
<td>50K</td>
<td>Gauge Pressure</td>
<td>0 to 50kPa</td>
<td>50.0</td>
</tr>
<tr>
<td>10K</td>
<td>Differential Pressure</td>
<td>0 to 10kPa</td>
<td>10.00</td>
<td>100K</td>
<td>Differential Pressure</td>
<td>0 to 100kPa</td>
<td>100.0</td>
</tr>
<tr>
<td>50K</td>
<td>Gauge Pressure</td>
<td>0 to 50kPa</td>
<td>50.0</td>
<td>100K</td>
<td>Gauge Pressure</td>
<td>0 to 100kPa</td>
<td>100.0</td>
</tr>
<tr>
<td>100K</td>
<td>Gauge Pressure</td>
<td>0 to 100kPa</td>
<td>100.0</td>
<td>200K</td>
<td>Gauge Pressure</td>
<td>0 to 200kPa</td>
<td>199.9</td>
</tr>
<tr>
<td>200K</td>
<td>Gauge Pressure</td>
<td>0 to 200kPa</td>
<td>199.9</td>
<td>500K</td>
<td>Gauge Pressure</td>
<td>0 to 500kPa</td>
<td>500.0</td>
</tr>
<tr>
<td>500K</td>
<td>Gauge Pressure</td>
<td>0 to 500kPa</td>
<td>500</td>
<td>1000K</td>
<td>Gauge Pressure</td>
<td>0 to 1000kPa</td>
<td>1000.0</td>
</tr>
<tr>
<td>1M</td>
<td>Gauge Pressure</td>
<td>0 to 1MPa</td>
<td>1.000</td>
<td>500K</td>
<td>Gauge Pressure</td>
<td>0 to 50kPa</td>
<td>50.0</td>
</tr>
<tr>
<td>2M</td>
<td>Gauge Pressure</td>
<td>0 to 2MPa</td>
<td>1.999</td>
<td>1000K</td>
<td>Gauge Pressure</td>
<td>0 to 100kPa</td>
<td>100.0</td>
</tr>
</tbody>
</table>

**NOTE:** Pressure/Vacuum is available upon request.

### Specifications

**Pressure Media**
- Differential Pressure: Air/Noncorrosive gases
- Gauge Pressure: 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)

**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 0000 ~ ±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.

**BCD Output**
- DP-340B: Equipped as standard / DP-340: Option

**Power Source**
- 24VDC 0.2A (with 100 ~ 240VAC power adaptor)

**Operating Temperature**
- 5 to 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 June 2017. The specifications are subject to change without prior notification.*

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