DP-340BA is applicable to a wide range of pressures from a micro pressure (500 Pa) to a high pressure (50 MPa). It is a digital pressure gauge with a high-accuracy sensor that has excellent overpressure resistance.

**Features**
- 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

**Application examples**
- With a wide range of pressures, applicable to various types of tests.
- Easy replacement by current DP-320 and DP-330.
- Internal or external sensor can be selected according to your requirement.
- Conforms to the CE. (The model with external sensor does not conform.)
- Traceability certification and inspection report will be attached to all the models.
- Power supply is 24VDC and can be used for 100-240VAC with included adaptor.

**Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital output</td>
<td>With RS-232C and the parallel binary coded decimal (BCD), data can be transferred to external devices. Limits can be set in 4 levels (Upper limits (HH, HI), Lower limits (LO, LL)) for criteria for judgment.</td>
</tr>
<tr>
<td>Upper/Lower limit level settings Comparator</td>
<td></td>
</tr>
<tr>
<td>Digital display digit Analog output</td>
<td>3.5-digit or 4.5-digit can be selected. Analog voltage output in proportion to the displayed value</td>
</tr>
<tr>
<td>Auto-zero</td>
<td>Current displayed reading can be changed to Zero, and after that measures the pressure difference.</td>
</tr>
<tr>
<td>Zero adjustment</td>
<td>Zero-point adjustment by just pushing a button.</td>
</tr>
<tr>
<td>Display hold Keyboard lock</td>
<td>Display hold, Peak hold or Bottom hold can be selected. Keyboard lock to prevent false operation.</td>
</tr>
</tbody>
</table>
Models

DP-340BA-A-B-C

For pressure ranges, see the “Pressure Ranges” below.

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>5PD</td>
<td>Differential pressure</td>
<td>0 to 500Pa</td>
<td>500</td>
<td>5MG</td>
<td>Gauge pressure</td>
<td>0 to 5MPa</td>
<td>5.00</td>
</tr>
<tr>
<td>1KD</td>
<td>Differential pressure</td>
<td>0 to 1kPa</td>
<td>1,000</td>
<td>10MG</td>
<td>Gauge pressure</td>
<td>0 to 10MPa</td>
<td>10.00</td>
</tr>
<tr>
<td>2KD</td>
<td>Differential pressure</td>
<td>0 to 2kPa</td>
<td>1,999</td>
<td>20MG</td>
<td>Gauge pressure</td>
<td>0 to 20MPa</td>
<td>19.99</td>
</tr>
<tr>
<td>5KD</td>
<td>Differential pressure</td>
<td>0 to 5kPa</td>
<td>5.00</td>
<td>50MG</td>
<td>Gauge pressure</td>
<td>0 to 50MPa</td>
<td>50.00</td>
</tr>
<tr>
<td>10KD</td>
<td>Differential pressure</td>
<td>0 to 10kPa</td>
<td>10.00</td>
<td>10KD</td>
<td>Vacuum differential pressure</td>
<td>0 to 1kPa</td>
<td>-1.000</td>
</tr>
<tr>
<td>20KD</td>
<td>Differential pressure</td>
<td>0 to 20kPa</td>
<td>19.99</td>
<td>V2KD</td>
<td>Vacuum differential pressure</td>
<td>0 to 2kPa</td>
<td>-1.999</td>
</tr>
<tr>
<td>50KD</td>
<td>Differential pressure</td>
<td>0 to 50kPa</td>
<td>50.00</td>
<td>V5KD</td>
<td>Vacuum differential pressure</td>
<td>0 to 10kPa</td>
<td>-5.00</td>
</tr>
<tr>
<td>100KD</td>
<td>Differential pressure</td>
<td>0 to 100kPa</td>
<td>100.00</td>
<td>V10KD</td>
<td>Vacuum differential pressure</td>
<td>0 to 10kPa</td>
<td>-10.00</td>
</tr>
<tr>
<td>50KG</td>
<td>Gauge pressure</td>
<td>0 to 50kPa</td>
<td>50.00</td>
<td>20KG</td>
<td>Vacuum differential pressure</td>
<td>0 to 100kPa</td>
<td>-50.00</td>
</tr>
<tr>
<td>100KG</td>
<td>Gauge pressure</td>
<td>0 to 100kPa</td>
<td>100.00</td>
<td>V50KG</td>
<td>Vacuum differential pressure</td>
<td>0 to 100kPa</td>
<td>-100.00</td>
</tr>
<tr>
<td>500KG</td>
<td>Gauge pressure</td>
<td>0 to 500kPa</td>
<td>500.00</td>
<td>V500KG</td>
<td>Vacuum gauge pressure</td>
<td>0 to 500kPa</td>
<td>-50.00</td>
</tr>
<tr>
<td>1MG</td>
<td>Gauge pressure</td>
<td>0 to 1MPa</td>
<td>1.000</td>
<td>V100KG</td>
<td>Vacuum gauge pressure</td>
<td>0 to 100kPa</td>
<td>-100.00</td>
</tr>
<tr>
<td>2MG</td>
<td>Gauge pressure</td>
<td>0 to 2MPa</td>
<td>1.999</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

NOTE: Pressure/Vacuum is also available. (500PD, 1KD, 2KD, 5KD, 10KD, 20KD, 50KD, 100KD, 50KG, 100KG, 200KG, 500KG)

Specifications

Differential pressure

- Air/Noncorrosive gases
- Air/Noncorrosive gases and liquid

Gauge pressure

- SUS630

Accuracy

- ±0.3% of F.S. ±1digit
- ±0.25% of F.S. ±1digit

Temperature characteristic:

- ±0.03% of F.S./°C
- ±0.03% of F.S./°C

Allowable pressure

- Ranges 50kPa or lower: Ten times of F.S
- Ranges 5kPa or lower: Two times 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.)
- ≤ 30 ms (99% of F.S.)

Display digits

- 3.5 digits
- 000 to ±1599

Sampling time

- 250 ms/50 ms (Toggable)

Analog output

- 0.5, 1 or 2 VDC. The specified voltage corresponding to the reading for the pressure range is output.

BCD output

- Equipped as standard

Power source

- 24VDC 0.3A (with 100 to 240VAC power adaptor)

Operating temperature

- 5 to 40°C

Pressure connection port

- Rc1/8

Panel-cut dimensions

- 133(W) x 61(H) mm

Display digit at F.S.

- 500KG
- 200KG
- 100KG
- 50KG
- 20KG
- 10KG
- 2KD
- 1KD
- 2MG
- 1MG
- 2MG

NOTE: Pressure ranges are as of June 2017. The specifications are subject to change without prior notification.