**SDP-09-N DIGITAL POSITION INDICATORS**

**Features**
- Magnified digit display
- Using a shaft sleeve allows accepting a shaft of 12mm, 14mm, 15mm or 16mm diameter.
- Lightweight
- Displayed digit height: 7mm

**Technical Information**
Working temperature: Up to 80°C

**Notes**
- Ensure that the start-up revolution speed is one-third or less times the allowable revolution speed.
- Do not give rapid acceleration or sudden stop.
- These position indicators cannot be used in applications where the shaft moves in the axial direction.
- SDP-09-CP Sealing Plate cannot be used with the rubber cushion or with SDP-09-CP Intermediate Plate.

**Installation Instructions**
1. Stick the rubber cushion to the back of the indicator. Do not stick it when using the housing seal.
2. Drill a fixing-pin hole in the mounting wall, 30mm above the shaft center.
3. Slide the indicator onto the shaft to the mounting wall and then tighten the setscrew.

**Display Example**

- **SDP-09FR-1.00N**
  - 1-1/2 Clockwise Revolutions
  - 3 Counterclockwise Revolutions

- **SDP-09FL-2.5N**
  - 1 Counterclockwise Revolution

**Shaft Locking Solutions**
To prevent rotations due to machine vibration, use the following solutions.
- SKP-09
- SKPZN09
- SKPAR09
- QCSPL

**Supplied with**
One rubber cushion

**Application Example**

Intermediate Plate, Housing seal & Front seal (to be ordered separately)

**Features**
- Use this Intermediate Plate if you want a SDP-09-N indicator to have the same indicator depth (50.5mm) as the old version SDP-09.
- Using the front seal and the housing seal together offers better airtightness.
### Table

<table>
<thead>
<tr>
<th>Type</th>
<th>Spindle Thread Pitch</th>
<th>Value Displayed After 1st Revolution</th>
<th>Allowable Revolution Speed</th>
<th>Weight (g)</th>
<th>Shaft Sleeve</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Indication</td>
<td>Display</td>
<td>(min⁻¹)</td>
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<td>SDP-09</td>
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<td>10</td>
<td>10.00</td>
<td>01000</td>
<td>150</td>
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</tr>
</tbody>
</table>

Other Leads of Screw Available on Request: —

### Ordering Example

**SDP-09**

- **Style**: H, V, F, A
- **Rotative Direction**: R
- **Value Displayed After 1st Revolution**: 1.0
- **Shaft Sleeve**: -B
- **Housing Color**: Orange

**Forward Counting**: Clockwise

**Backward Counting**: Counterclockwise

Note: Rotative direction can not be changed.

Other lead screws available on request.

*) 145 for housing type M

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*Steel*

*Stainless steel*

*Metal Housing only with steel shaft sleeve*