

# Digital Position Indicators Compact

Standard / Front / Vertical



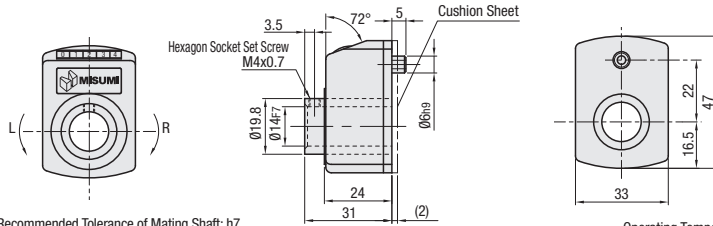
Compact units can be installed in small spaces. Four and five digit types are available.

## Standard Spindle Compact



Without Counter Reset **RoHS10**

| Type                     |                   | Cover    |                  | Back Plate          | Sleeve   |                   | Accessory                  |                                            |
|--------------------------|-------------------|----------|------------------|---------------------|----------|-------------------|----------------------------|--------------------------------------------|
| 4-Digit Type             | 5-Digit Type      | Material | Color            | Material            | Material | Surface Treatment | Set Screw (Black) (SCM435) | Cushion Sheets (Black) (Polyethylene Foam) |
| DPNR, DPNL<br>DSNR, DSNL | DPNFR, DPNFL<br>- | Nylon    | Orange<br>Silver | Polyphenylene Ether | SUM23    | Black Oxide       |                            |                                            |



Recommended Tolerance of Mating Shaft: h7

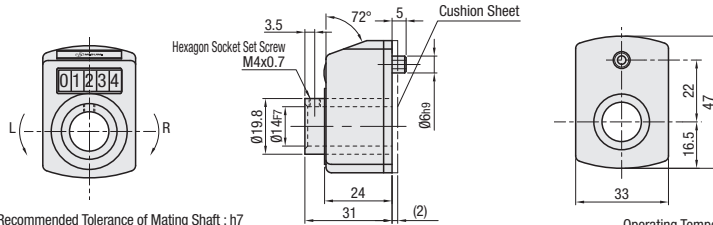
Operating Temperature: -10°C~60°C

## Front Spindle Compact



Without Counter Reset **RoHS10**

| Type                     |                   | Cover    |                  | Back Plate          | Sleeve   |                   | Accessory                  |                                            |
|--------------------------|-------------------|----------|------------------|---------------------|----------|-------------------|----------------------------|--------------------------------------------|
| 4-Digit Type             | 5-Digit Type      | Material | Color            | Material            | Material | Surface Treatment | Set Screw (Black) (SCM435) | Cushion Sheets (Black) (Polyethylene Foam) |
| DPMR, DPML<br>DSMR, DSML | DPMFR, DPMFL<br>- | Nylon    | Orange<br>Silver | Polyphenylene Ether | SUM23    | Black Oxide       |                            |                                            |



Recommended Tolerance of Mating Shaft: h7

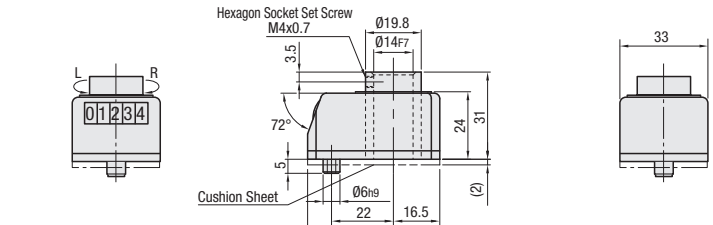
Operating Temperature: -10°C~60°C

## Vertical Spindle Compact



Without Counter Reset **RoHS10**

| Type                     |                   | Cover    |                  | Back Plate          | Sleeve   |                   | Accessory                  |                                            |
|--------------------------|-------------------|----------|------------------|---------------------|----------|-------------------|----------------------------|--------------------------------------------|
| 4-Digit Type             | 5-Digit Type      | Material | Color            | Material            | Material | Surface Treatment | Set Screw (Black) (SCM435) | Cushion Sheets (Black) (Polyethylene Foam) |
| DPTR, DPTL<br>DSTR, DSTL | DPTFR, DPTFL<br>- | Nylon    | Orange<br>Silver | Polyphenylene Ether | SUM23    | Black Oxide       |                            |                                            |



Recommended Tolerance of Mating Shaft: h7

Operating Temperature: -10°C~60°C

Digital Position Indicators Compact has a fixed I.D. (14mm). Shafts whose O.D. is less than 14mm are used with a collar attached.

| Part Number        |                                                       | When Indicator Collar is added |                              | Count Increment per Revolution |                            | Maximum Rotational Speed (rpm) | Main Body Mass (g) | Indicator only Unit Price | With Collar Unit Price |
|--------------------|-------------------------------------------------------|--------------------------------|------------------------------|--------------------------------|----------------------------|--------------------------------|--------------------|---------------------------|------------------------|
| Type               | Spindle                                               | Collar Code                    | Collar I.D. Selection        | 4-Digit                        | 5-Digit                    |                                |                    |                           |                        |
| (Orange) (Silver)  | R (4-Digit - Right Turn)<br>L (4-Digit - Left Turn)   | 2<br>3                         | (Only when Collar is added)  | 002.0<br>003.0                 | 0002.0<br>0003.0           | 150<br>100                     | 44                 |                           |                        |
| DPN DSN<br>DPM DSM | FR (5-Digit - Right Turn)<br>FL (5-Digit - Left Turn) | 4<br>5<br>6                    | (No Collar)<br>Not Specified | 004.0<br>005.0<br>006.0        | 0004.0<br>0005.0<br>0006.0 | 75<br>60<br>50                 |                    |                           |                        |
| DPT DST            |                                                       |                                |                              |                                |                            |                                |                    |                           |                        |
|                    |                                                       |                                |                              |                                |                            |                                |                    |                           |                        |

When opting to add a collar, be sure to specify the appropriate collar I.D. as well as the collar code. For the spindle pitch, specify the same value as the current lead screw has.

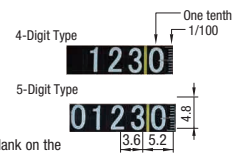
| Alterations | Part Number | (CSE) |
|-------------|-------------|-------|
|             | DPNR2       | CSE8  |

| Ordering Example | Part Number | Collar Code, I.D. d |
|------------------|-------------|---------------------|
|                  | DPTR2       |                     |
|                  | DPML3       | CSE10               |
|                  | DPNFR4      | CSE12               |

| Alteration                                                              | Code | Spec.                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Includes an Indicator Collar in the set<br>Indicator Collar Details<br> | CSE  | Shafts whose O.D. is less than 14mm are used with a collar attached. Please select a collar with an I.D. of required shaft diameter, and order as an alteration.<br>Ordering Code: DPNR2-CSE 8<br>Add the needed collar "d" after the Indicator model number.<br>Collar Dimension 6 ---- CSE6<br>Collar Dimension 8 ---- CSE8<br>Collar Dimension 10 ---- CSE10<br>Collar Dimension 12 ---- CSE12 |

## Features

Use with a lead screw with the same pitch. Display number and pitch number will be the same. Counter Indication for both clockwise and counterclockwise rotation.



The leftmost position is blank on the 4-digit counter.



Collar as an alteration enables screw shafts other than 14mm diameter (lead screws and slide screws, etc.) to be adapted to the indicators. Do not push the screw shaft into the indicator forcibly. Furthermore, insert the screw shaft vertically into the mounting hole.