Position Digital Indicators - Overview

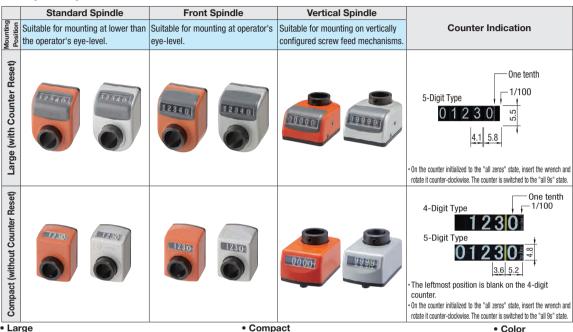
■Features

· Digital Display is easy to read.

Positioning and indexing with Feed Screw is easy.

It prevents wrong setting caused by error in display indication when the screw mechanism is changed at the factory.

MISUMI Digital Position Indicators are designed to use in combination with our Lead Screws. Two sizes of display, three mounting types, two body colors are available. 4-Digit and 5-Digit indication and With Counter Reset are available.



Color Orange Silver · With Counter Reset

App. Example (1)

Standard Spindle

5-Diait · Applicable to mounting shaft end dia.12, 14, 15, 16, 17 and 20.

Display Digits

- * When used with a lead screw with the same pitch, display number and pitch number will be the same.
- Compact

Feed Screw Pitch (Display

Number per Revolution)

3 4 5 6

Color		Display Digits		Feed Screw Pitch (Display Number per Revolution)				
Orange	Silver	4-Digit	5-Digit	2	3	4	5	6

- 4-Digit Type and 5-Digit Type are available for the same size.
- · Applicable to mounting shaft end dia. 6, 8, 10, 12 and 14.
- When used with a lead screw with the same pitch, display number and pitch number will be the same.

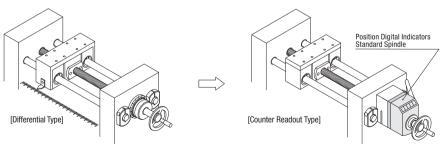
Color

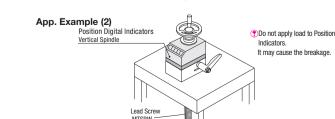


Color used to make the when installed

Usage

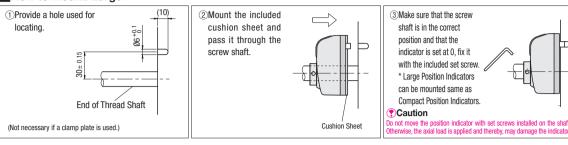
Can be used to confirm the present setting position such as the transfer of table that utilizes screw feed mechanism and the slide adjustment. Silver Conventional Method: Reading errors occur When Indicator is Used: Digital indication reduces the reading errors.



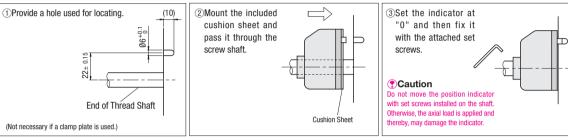


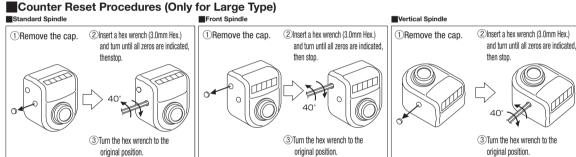
Color used to make the counter unnoticeable when installed.

■How to Mount: Large



■ How to Mount: Compact





Caution

Turning the wrench more than necessary may cause damages on the unit. Turn the wrench slowly.

Please note that there should be space for hex wrench.

When all zeros are not indicated on the counter panel, even if counter reset is tried, retry counter reset, so the counter is initialized to the all zeros state.



Notes

- · The count goes up depending on turning distance, as the screw shaft (lead screw, slide screw, etc.) is turned clockwise. The count goes down as the screw shaft is turned counterclockwise.
- The rotational speed at the start-up should not exceed 1/3 of maximum rotational speed (rpm).
- · Must not be abruptly accelerated or decelerated.
- · Do not use a electric screwdriver. It may cause damages.
- Do not use when shafts move to the thrust (shaft) direction. It may cause damages.
- Insert a screw shaft into the indicator in such a way that it is positioned quite vertically to the I.D. center of the indicator. Otherwise, malfunction may occur.

(2) (3)

Selection of Position Indicator Collar

Position Indicator 2 has a fixed I.D.(Large Ø20, Compact Ø14)

Shafts ③ whose O.D. is less than 20mm (Large) / 14mm (Compact) are used with a collar ① attached.

Indicator Collar Details P.701, 702

Indicator Collar Selection Chart

Indicator Shaft O.D.	Indicator Alteration Part Number		
Ø6	-CSE6		
Ø8	-CSE8		
Ø10	-CSE10		
Ø12	-CSE12		
Ø14	-CSE14		
Ø15	-CSE15		
Ø16	-CSE16		
Ø17	-CSE17		

- (1) (3)
- 1 Indicator Collar
- ②Digital Position Indicators (Large Ø20, Compact Ø14)
- ③Shaft O.D.