SDP-08 — DIGITAL POSITION INDICATORS

RoHS

SDP-08H
(Style H)

SDP-08V
(Style V)
On Request

Zero-setting Button [On Request]

Housing Fastening Screw

Rubber Cushion(included)

SIKO

Fixing Pin

Hex. Socket Setscrew M5×0.8

6.5

70°

4.5

$\phi 20H7$

$\phi 28$

$\phi 6$ $_{0.05}^{0}$

$\phi 37$

68

78.5

28.5

57

28 20

50

59 (2)
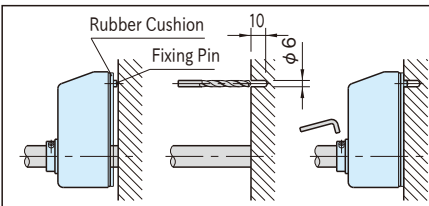
Housing
Die-cast aluminum(ADC3) Orange
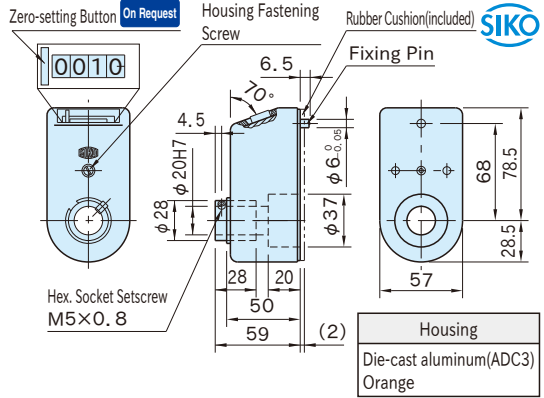
Features
・Reversible rotative direction
・Long distance between the shaft-hole and fixing-pin centers.
・Using a shaft sleeve allows accepting a shaft of 12mm, 14mm, 15mm or 16mm diameter.
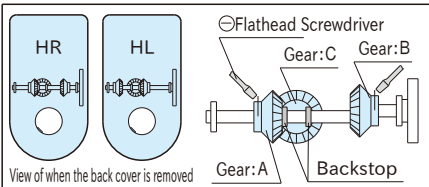・Displayed figure height : 4.5mm

Furnished With
Rubber Cushion

How To Use

Rubber Cushion
Fixing Pin
10
$\phi 6$

1 Stick the rubber cushion to the back of the indicator.
2 Slide the indicator onto the shaft to the mounting wall to mark a point for a fixing-pin hole with the fixing pin.
3 Drill a fixing-pin hole at the marked position.
4 Slide the indicator onto the shaft to the mounting wall again and then tighten the setscrew.

How to Reverse Rotative Direction

HR HL

⊖Flathead Screwdriver
Gear:C
Gear:B
Gear:A
Backstop

View of when the back cover is removed

・Remove the back cover.
・Unfasten Gears A and B using a flathead screwdriver, and then get Gear A disengaged from Gear C.
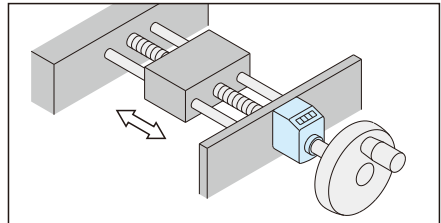・Move Gear B to the backstop to get it engaged with Gear C

Notes
・Ensure that the start-up revolution speed is 1/3 or less of the allowable revolution speed.
・Do not give rapid acceleration or sudden stop.
・These position indicators can not be used in applications where the shaft moves in the axial direction.
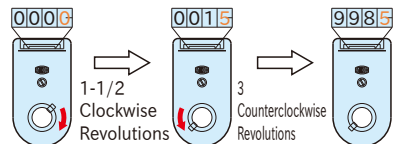
Technical Information
Working temperature : Up to 80°C

Application Example
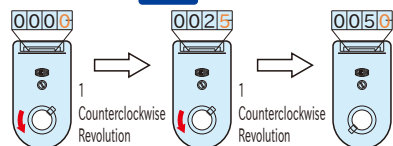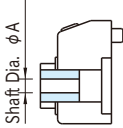

Display Example

・**SDP-08HR-1.0**

0000 → 0015 → 9985

1-1/2 Clockwise Revolutions

3 Counterclockwise Revolutions

・**SDP-08HL-2.5** [On Request]

0000 → 0025 → 0050

1 Counterclockwise Revolution

1 Counterclockwise Revolution

SIKO

Type	Spindle Thread Pitch	Value Displayed After 1st Revolution		Allowable Revolution Speed (min⁻¹)		Weight (g)	Shaft Sleeve
		Indication	Display	Without Zero Setting Button	With Zero Setting Button		
SDP-08	1	**1.00**	00100 *)	150	50	700	
	1	**1.0**	0010		300		
	2	**2.0**	0020	300	200		
	2.5	**2.5**	0025				
	3	**3.0**	0030		150		
	4	**4.0**	0040		100		
	5	**5.0**	0050	250	50		
	6	**6.0**	0060	200			
	10	**10.0**	0100	150			
	10	**10**	00010	300	300		
	Other Leads of Screw Available on Request			-			

Shaft Dia. φ A

Part Number	A
STS-12	12
STS-14	14
STS-15	15
STS-16	16

*) 5-digits display with the end digit uncolored and a comma given at the decimal point

Ordering Example

SDP-08 H R - 1.0 -Z

- **H** — Style
- **R** — Rotative Direction
- **1.0** — Value Displayed After 1st Revolution
- **-Z** — Zero Setting Button

H **V**

R
(Forward Counting : Clockwise / Backward Counting : Counterclockwise)

L
(Forward Counting : Counterclockwise / Backward Counting : Clockwise)

Unspecified (without zero resetting button)

-Z (with zero resetting button) **On Request**
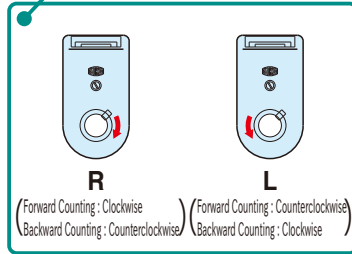
Standard Items and Available -on- request Items

	Style	Clockwise Rotation	CCW Rotation
Standard	H	**SDP-08HR- 1.0**	**SDP-08HL- 1.0**
		SDP-08HR- 2.0	**SDP-08HL- 2.0**
		SDP-08HR- 4.0	**SDP-08HL- 4.0**
		SDP-08HR- 5.0	**SDP-08HL- 5.0**
		SDP-08HR- 6.0	**SDP-08HL- 6.0**
		SDP-08HR-10.0	**SDP-08HL-10.0**
Available on request	H	SDP-08HR- 1.00	SDP-08HL- 1.00
		SDP-08HR- 2.5	SDP-08HL- 2.5
		SDP-08HR- 3.0	SDP-08HL- 3.0
		SDP-08HR-10	SDP-08HL-10
	V	SDP-08VR- 1.00	SDP-08VL- 1.00
		SDP-08VR- 1.0	SDP-08VL- 1.0
		SDP-08VR- 2.0	SDP-08VL- 2.0
		SDP-08VR- 2.5	SDP-08VL- 2.5
		SDP-08VR- 3.0	SDP-08VL- 3.0
		SDP-08VR- 4.0	SDP-08VL- 4.0
		SDP-08VR- 5.0	SDP-08VL- 5.0
		SDP-08VR- 6.0	SDP-08VL- 6.0
		SDP-08VR-10.0	SDP-08VL-10.0
		SDP-08VR-10	SDP-08VL-10