



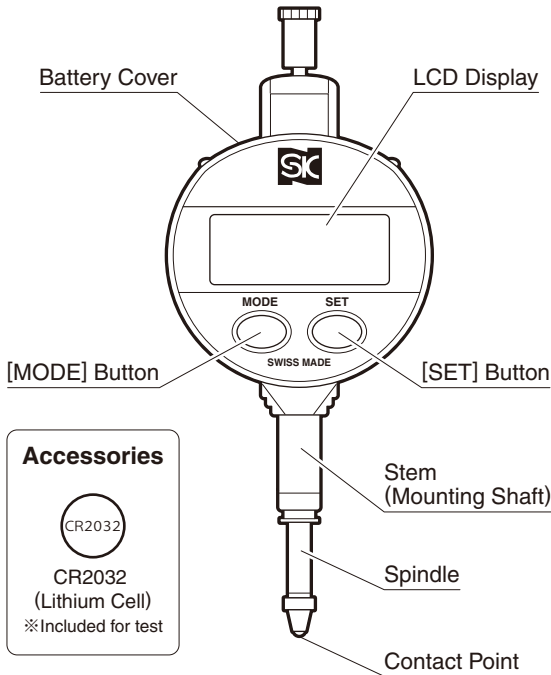
# DIGITAL S-LINE INDICATOR (IP65)

## INSTRUCTION MANUAL

Model No. DEI-233S1/DEI-233S2 <combined>

Thank you for purchasing the Digital S-Line Indicator.  
For proper operation, please read this manual thoroughly before use.

### PARTS IDENTIFICATION



### FEATURES

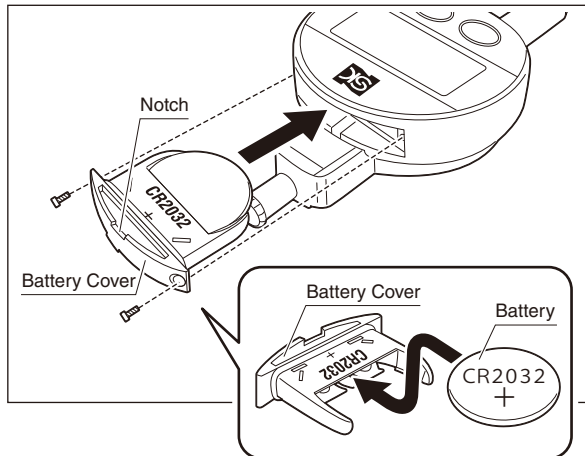
- IP65 class waterproof rating
- Small size
- ABS and REL measurement modes  
ABS mode: With Display Hold  
REL mode: With one touch Preset recall
- Direction of measurement (+ / -) switchable
- Preset function
- Auto-off feature (approx. 4 hour)  
※REL mode only
- Made in Switzerland

### SPECIFICATIONS

Model No.	DEI-233S1	DEI-233S2
Measurement Range	0-12.5mm	
Resolution	0.01mm	0.001mm
Displayed Resolution	0.01mm	0.01mm/0.001mm (switchable)
Accuracy	0.02mm	0.005mm
Measurement Force	Less than 1.5N	
Repeatability	0.002mm	
Preset	up to $\pm 130$ mm	
Measurement Dir. Switchable	YES	
Mounting Shaft Diameter	$\phi 8$ mm	
Operating Temp. Range	5~40°C	
Power Supply	CR2032(Lithium cell) $\times 1$	
Weight	70g	

### BATTERY REPLACEMENT

- ① Remove the (2x) battery screws using (+) PH#0 screwdriver. Place a small standard screwdriver in the notch to gently pry open the cover and slide out the battery.
- ② Insert the new battery following the polarity markings on the cover.
- ③ Replace Battery Cover and tighten screws to secure.



### TROUBLESHOOTING

Error Condition	Corrective Action
"Err 0" is Displayed on LCD	Read Error. Reset the sensor by pressing the [MODE] or [SET] button. ※If message is displayed again, there is possibility that the memory is corrupted; Please contact distributor or place of purchase.
Measured value is wrong	<ul style="list-style-type: none"> <li>● Clean measuring surfaces with lens tissue or similar.</li> <li>● Confirm and re-set 0-Point setting.</li> </ul>
<ul style="list-style-type: none"> <li>● LCD does not display</li> <li>● Displayed value is unstable</li> <li>● Display is hard to read</li> </ul>	<ul style="list-style-type: none"> <li>● Cycle power by removing and replacing battery.</li> <li>● Replace battery with new one.</li> </ul>

※If problem persists, or if you have any questions, please contact distributor or place of purchase.

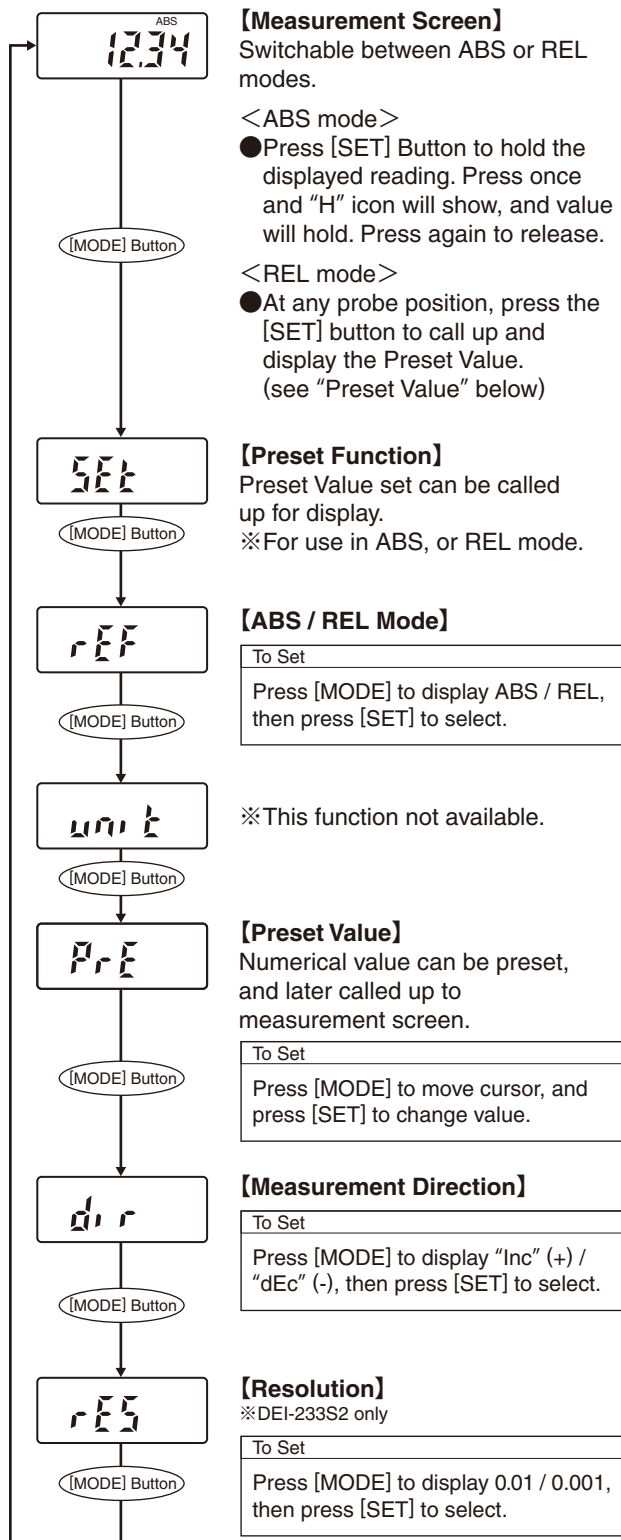
※Please note, manufacturer is unable to respond to inquiries or provide service directly. Please contact distributor or place of purchase.

**NOTICE** Use only CR2032 type battery.

See Reverse for "How to Use"→

## FUNCTION SETUP

Press the [MODE] button to cycle through the functions in the sequence shown below. When desired function is displayed, press [SET] button to access the various settings.



※ If no operation is performed after 5 seconds, display will return to the measurement screen.

## POWER

### [Power ON]

Press [MODE], or [SET] button to turn on power.

### [Power OFF]

Press and hold the [SET] button to turn off power.

※ Power will switch off automatically if idle after approximately 4 hours.

(※ REL Mode only)

※ When battery level is low, the 『B』 icon is displayed; please replace battery.

## HOW TO USE

- ① Mount indicator securely, such as on optional Magnetic Base, and make sure that the Spindle is perpendicular to the measurement surface.
- ② Press [MODE] or [SET] to turn on power.
- ③ Setting 0-Point.  
<REL Mode>  
With gauge in contact with reference surface, press the [SET] button.  
Display will read "0.00mm."  
<ABS Mode>  
With gauge in contact with reference surface, press the [MODE] button. When display reads "Set", press the [SET] button. (ref. "Function Setup - Preset Function")  
Display will read "0.00mm."  
※ If "0.00mm" is not displayed, please refer to "Function Setup - Preset Value" to set value to 0.00mm, and then perform steps ① to ③.
- ④ With Gauge body held fixed, and the probe in contact with the workpiece, the LCD will display the difference between workpiece and reference plane.

## ⚠ CAUTION

- This is a precision instrument, handle with care. Do not drop or subject to excessive forces.
- Keep away from high voltage and strong magnetic fields; instrument damage may result.
- Do not use or store in direct sunlight or locations with high temperatures such as in a car, or near a stove or heat source.
- When taking measurements, hold gauge securely, such as in magnetic base. (sold separately)
- Please do not disassemble or modify.
- Remove dust and cutting chips after use and apply rust preventative oil to metallic surfaces. Please keep out of reach of children.
- Do not use organic solvents to clean the body of the instrument.
- When not being used for a long period of time, please remove battery.
- Only use as directed. Improper use may cause accident or injury.

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