



# SK DIGITAL HEIGHT GAUGE

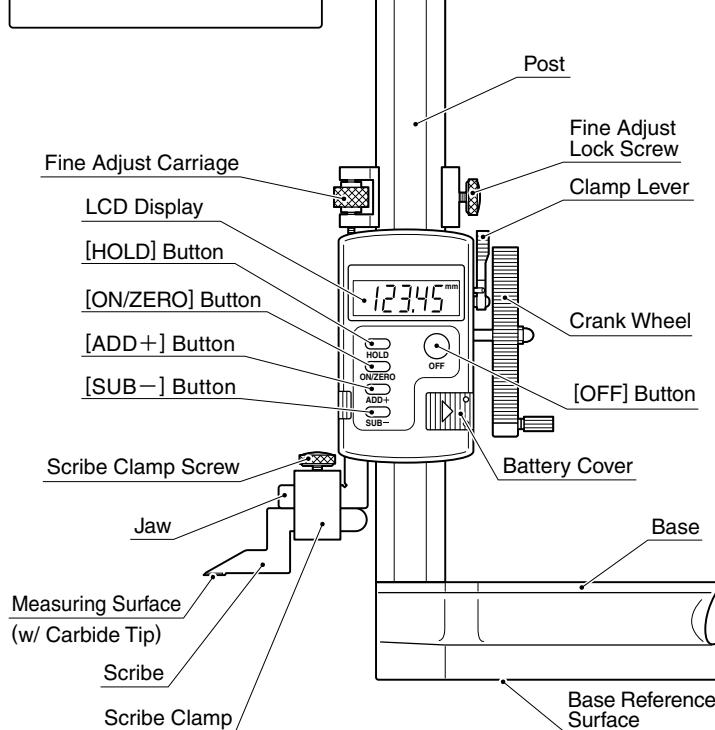
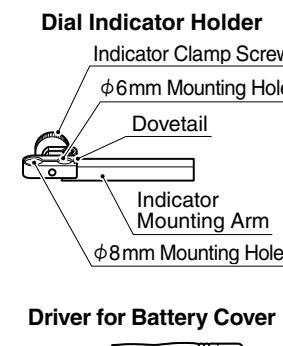
## INSTRUCTION MANUAL

Model No.:VHS-30D/VHS-60D <combined>

Thank you for purchasing the Digital Height Gauge.  
Please read this manual thoroughly before use for proper operation.

### PART IDENTIFICATION

#### 【ACCESSORIES】



### How to Use Each Button

#### 1 [ON/ZERO] Button

- When power is OFF, press once to turn ON.
- When power is ON, press once to set display to "0.00mm".

#### 2 [OFF] Button

Press to turn OFF power.

#### 3 [ADD+] , [SUB-] Buttons

Allows operator to change display reading to any value. Press [ADD+] to increase value by 0.01mm, or [SUB-] to decrease by 0.01mm. Press and hold to quickly increase or decrease value.

Any number can be preset into instrument for a position using these buttons.

#### 4 [HOLD] Button

Press to freeze (hold) the reading, and the LCD will display the "HOLD" icon.

### APPLICATIONS and FEATURES

- Smooth operation of slide carriage using crank wheel.
- Ideal for measuring and marking work for molds, jigs, and tooling.
- Accessory arm for mounting φ8mm or φ6mm dial indicator.
- Easy to ready digital display.
- Origin can be set at any position.
- Preset function.
- HOLD function.

### NOTES

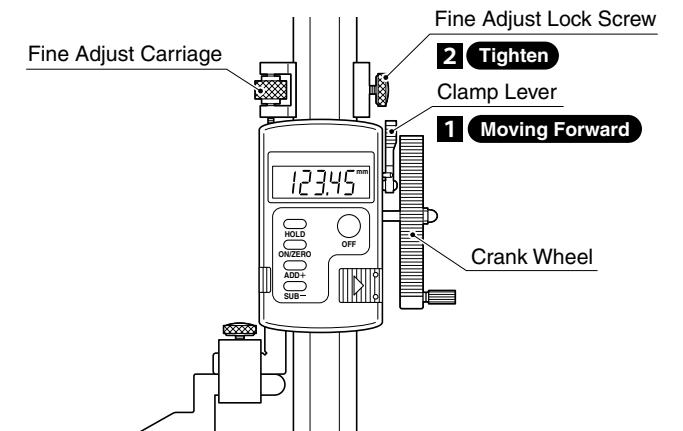
- Before using for the first time, please wipe off the corrosion protectant with an oiled cloth.
- This is a precision instrument, handle with care. Do not drop or subject to excessive forces.
- Please avoid damage to post. Do not scratch instrument, for example by writing ID number.
- Keep away from direct sunlight. Do not store instrument in extreme temperatures.

### SPECIFICATIONS

- Max Measuring Height : VHS-30D…300mm  
VHS-60D…600mm
  - Resolution : 0.01mm
  - Maximum permissible Error : VHS-30D…±0.04mm  
VHS-60D…±0.05mm
- ※Not including quantization error(±1 count)
- Fine Adjustment Range : 10mm
  - Display : 5 Digit LCD
  - Approx. Weight : VHS-30D…6.4kg  
VHS-60D…7.5kg
  - Power Supply : SR44 Silver Oxide Battery
  - Operating Temperature Range : 0~40°C
  - Included Accessories : Dial Indicator Holder  
Driver for Battery Cover

### Fine Adjust Feed Operation

- Release the Carriage by moving the Clamp Lever forward.
- Tighten the Fine Adjust Lock Screw.
- Turn the Fine Adjust Carriage for fine control of position.



### PREPARATION BEFORE USE

#### 1 Inserting the Battery

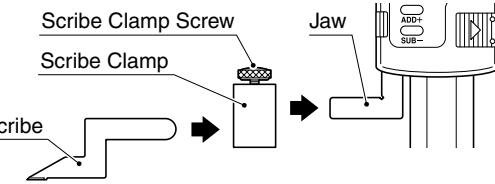
- Using the provided driver, remove the Battery Cover Screws.
- Open the Battery cover by sliding in the direction of the arrow (D).
- Insert the Battery with (+) side facing outward.
- Return the Battery Cover to its original position.
- Replace the Battery Cover Screws to secure the cover.

△NOTE: Only use SR44 Silver Oxide Battery.

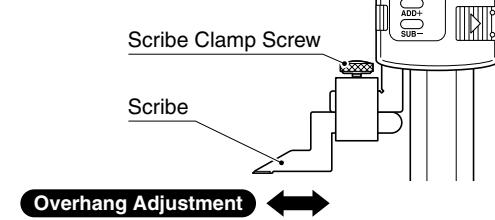
※Remove battery if Instrument will not be used for a long period of time. Batteries may leak if left in unused instrument for an extended period.

#### 2 Installing the Scribe

- Loosen the Scribe Clamp Screw and insert onto Jaw.



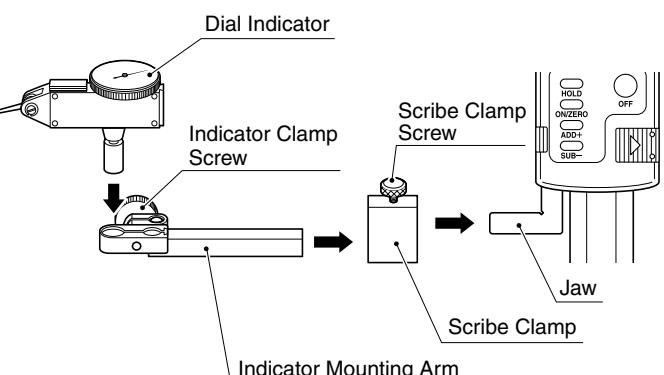
- Insert the Scribe to desired overhang and secure by tightening the Scribe Clamp Screw.



#### 3 Dial Indicator Holder

The Dial Indicator Holder is used to mount a dial indicator (sold separately) in place of the Scribe.

- Loosen the Indicator Clamp Screw, insert the indicator shaft, and secure by tightening the clamp screw.
- Loosen the Scribe Clamp Screw and place the Clamp onto the Jaw.
- Insert the Indicator Mounting Arm into the Clamp, and tighten Clamp Screw at the desired amount of overhang.



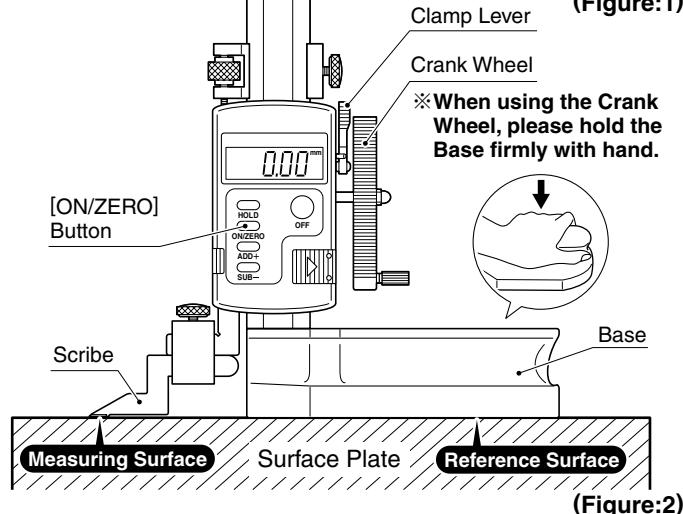
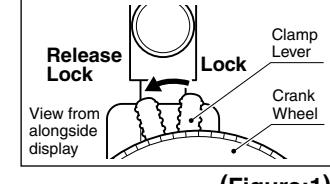
### SERVICE

- If height gauge is not working properly, or if you have any questions, please contact distributor.
- Please note, manufacturer is unable to respond to inquires or provide service directly. Please contact distributor.

### TAKING MEASUREMENTS

#### 1 Absolute Measurement

- Press the [ON/ZERO] Button to turn on power.
- Release the Carriage by moving the Clamp Lever forward, located next to the Crank Wheel. (Figure:1)
- Move the Scribe Measuring Surface to make good contact with the Surface Plate using the Crank Wheel and the Fine Adjust Feed Screw. (refer to "Fine Adjust Feed Operation") (Figure:2)
- Press the [ON/ZERO] Button to set the LCD reading to "0.00mm".
- Take a measurement by moving the Scribe to the surface to be measured.



#### 2 Relative Measurement

- Press the [ON/ZERO] Button to turn on power.
- Release the Carriage by moving the Clamp Lever forward.
- Move the Scribe to the Reference Surface and press the [ON/ZERO] Button to set the LCD reading to "0.00mm".
- Moving the Scribe to the surface to be measured, and the height relative to the reference surface will be displayed.

### TROUBLESHOOTING

- Q. Nothing is displayed, or the numbers are flashing.  
A. The battery may be low. Please replace with new SR44 battery.
- Q. With power on, the number on the LCD does not change as the carriage is moved.  
A. Please reset by removing battery for about 30sec., and then replacing.
- Q. Nothing happens when buttons are pressed.  
A. Battery may not have good contact with terminals. Please reset battery and confirm orientation with (+) side outward.

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