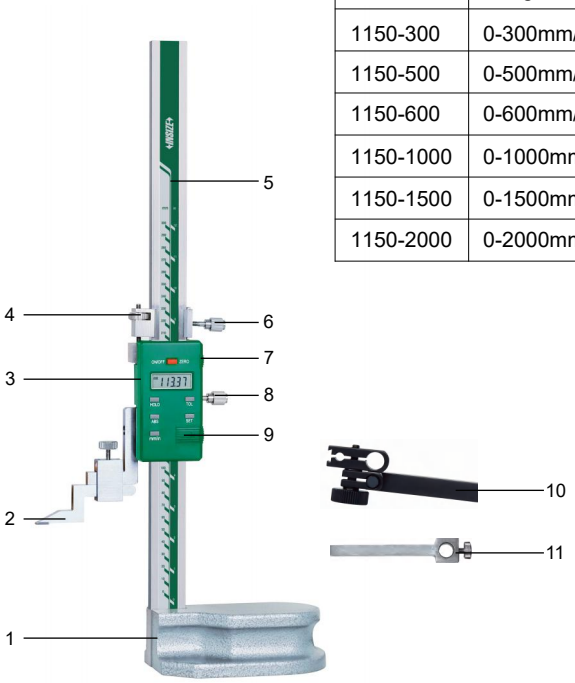
OPERATION INSTRUCTION
Light Duty Digital Height Gage

Attention: This caliper is not waterproof. If there is coolant liquid on the sticker, the reading may be incorrect. Please clean the sticker with dry cloths. If the problem is not solved, please use WD40 to clean the sticker.
Prevent liquid from getting into height gage to damage electronics.

Code	Range	Resolution	Accuracy
1150-300	0-300mm/0-12″	0.01mm/0.0005″	±0.04mm
1150-500	0-500mm/0-20″	0.01mm/0.0005″	±0.06mm
1150-600	0-600mm/0-24″	0.01mm/0.0005″	±0.06mm
1150-1000	0-1000mm/0-40″	0.01mm/0.0005″	±0.08mm
1150-1500	0-1500mm/0-60″	0.01mm/0.0005″	±0.12mm
1150-2000	0-2000mm/0-80″	0.01mm/0.0005″	±0.16mm



1. Base
2. Scriber
3. Vernier
4. Fine adjustment nut
5. Beam
6. Fine adjustment locking screw
7. Data output
8. Locking screw
9. Battery cover
10. Clamp for dial indicator (for 1150-300E)
11. Clamp for dial indicator (for 1150-500E - 1150-2000E)

1. The positive side should face out when install battery.

2. Clean the bottom of base and the vernier before install the scriber.

3. Buttons:
ON/OFF ZERO---short press to power on;short press to set zero after power on
---long press to power off
HOLD---short press to keep the reading. Short press again to release.
mm/in---short press for metric and inch reading conversion.
ABS---short press for absolute and relative measuring mode conversion.The normal mode is absolute measuring mode. Short press to enter relative measuring mode at any point , "INC" appears. Short press 'ON/OFF ZERO' to set zero(this point is called 'relative zero point'). In this mode, the reading is the distance to the relative zero point. Short press again to go back to absolute measuring mode.
SET--- short press to enter set mode, "S" blinks. Then long press to position the digit, the digit blinks when positioned. Release the button if you want to change the digit.
TOL--- Short press the button to change the digit from 1 to 9. Long press to the next digit. After setting, long press until "S" blinks, short press it to exit set mode.
short press to enter tolerance set mode, "▲" appears and "S" blinks. Set the upper limit value same as the above set mode. After setting the upper limit, long press until "S" blinks. Short press ,"▼ " appears and "S" blinks, set the lower limit value as above. After setting , long press until "S" blinks, short press again to exit tolerance measurement mode.
During tolerance measurement mode, "▲" appears if the reading is larger than the upper limit, "▼" appears if the reading is smaller than the lower limit, "OK" appears is the reading is within the tolerance.

4. Height gage should be checked regularly to make sure that it is properly zero set. Gently move the vernier until the measuring surface is closed to the surface plate, tighten the fine adjustment locking screw and rotate the fine adjustment nut to let the measuring surface and the bottom of the base are in contact with the surface plate at the same time. Press 'ON/OFF ZERO' to set zero. Lift the vernier and repeat the above process until the measuring surface and the bottom of the base are in contact with the surface plate to check if the reading is zero.

5. The scriber is made of carbide.

6. Use clamp for precision dial indicator,the accuracy can be improved.

7. When the battery alarm symbol appears on the left please replace the battery. If digits do not change when buttons are pressed or vernier is moved, take out battery and put it back after 1 minute. Remove battery if height gage is not to be used for a long peroid of time.

8. Working temperature is 0-40^{o}C.Do not put gage near strong magnetic field. Keep gage dry. Prevent liquid from getting into gage to damage electronics. Scriber should be carefully protected from being damaged. Do not drop or strike gage.

CAUTION: When move the height gage, please hold the base, do not force to grasp the beam to avoid deformation.

MN-1150-E
V0