Code	Range	Resolution	Accuracy
2188-55	4-53 mm/0.16-2.09"	0.01mm/0.0005"	±0.02mm
2188-143	48-143 mm/1.89-5.63"	0.01mm/0.0005"	±0.03mm
2188-233	138-233 mm/5.43-9.17"	0.01mm/0.0005"	±0.03mm
2188-323	228-323 mm/8.98-12.72"	0.01mm/0.0005"	±0.04mm
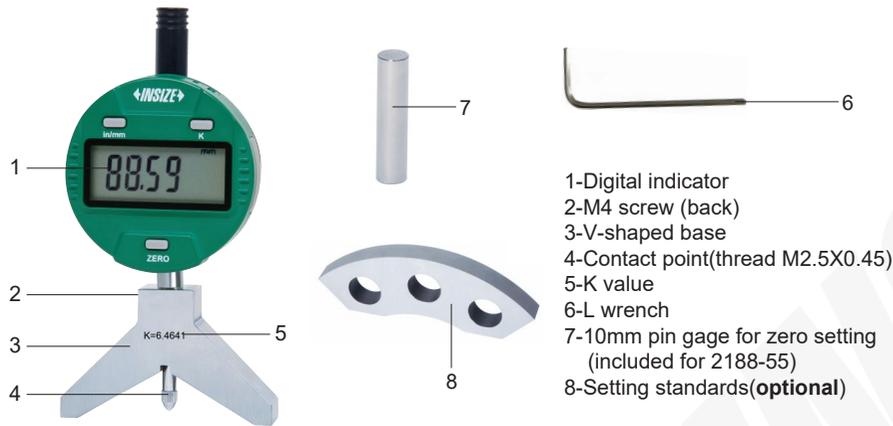
1-Digital indicator
2-M4 screw (back)
3-V-shaped base
4-Contact point(thread M2.5X0.45)
5-K value
6-L wrench
7-10mm pin gage for zero setting
   (included for 2188-55)
8-Setting standards(**optional**)

1. Measure radius of external arc, arc angle of measured surface should be larger than 60°, display radius value, no need to calcuate

2. Buttons:
"in/mm"--- short press: inch and mm conversion; long press : set initial reading, short press "in/mm" to change the digit from 0 to 9, short press "ZERO" button to position the digit, long press "in/mm" again to exit.
"K"--- short press: can view the current coefficient settings, under the coefficient display mode, long press "in/mm" to enter the coefficient setting, short press "in/mm" to change the digit from 0 to 9, short press "ZERO" button to position the digit, long press "in/mm" again to exit; long press: change measuring direction.
"ZERO"--- short press: set zero; long press: power off. Short press to power on when display powers off.

High and low frequency switching settings:
After shutting down, press and hold the in/mm key, and shortly press the ZERO key to turn on, after displaying "----", release the in/mm key to enter the high and low frequency switching mode setting, short press the in/mm key to adjust the switching mode, display "Fr-on" means that the automatic frequency switching function is turned on.

After 3 seconds without button operation and push rod operation, it will automatically switch to high frequency. Display "Fr-oF", which means that the automatic frequency switching function is turned off, and the sensor keeps the high frequency state unchanged. Short press the ZERO button to confirm and save the high and low frequency switching mode settings, and exit to the working state.

When the automatic frequency hopping is enabled, the meter is powered on again or short press the ZERO button to turn it on, and LL will be displayed for one second, indicating that the automatic frequency hopping is currently enabled.
When the meter is not operated for 3 seconds in this mode, the meter will automatically switch to low frequency, so the power consumption is lower, and it is more power-saving, suitable for use in the routine measurement state.

When the automatic frequency hopping is turned off, the meter is powered on again or short press the ZERO button to turn it on, and HH will be displayed for one second, indicating that the meter is currently maintaining high frequency without frequency hopping.In this mode, the gauge will continue to maintain high frequency, high power consumption, and reduced battery life. It is suitable for occasions where high-speed movement of the measuring rod is required.

Shutdown time setting:
After power off, press and hold the ABS key, press ZERO key to turn on the machine, after displaying '---', release the ABS key to enter the shutdown time mode setting default display '6.0' indicates that it will shut down the machine automatically after 6 hours of static operation, press the ABS key to switch the value, it can be switched every 1 hour between 0~99 hours, when switching to '0.0', it means that the meter will not shut down the machine automatically. When switching display to '0.0', it means the meter will not shut down automatically.

3. Proofreading and measurement:
---Clean the Digital keyway depth gage and setting standard/standard part
---Check the coefficients of the digital indicator, confirm that it is consistent with the K value on the product, if the coefficient is different from the K value, please reset (refer to "K" button function)

MN-2188-E
V3

---Short press the "ZERO" key to reset the digital indicator to zero. if the indication value decreases when the measuring rod is moved down, long press the "in/mm" button to change the measuring direction, so that the indication value increases when the measuring rod moves down(refer to "in/mm" button function

---According to setting standard/standard part, set radius values of digital indicator
---Fit the V-shaped surface of the radius gage to the complete cylindrical edge of setting standard/ standard part
---Short press "ZERO" button to complete proofreading
---Fit the V-shaped surface of the radius gauge to the complete cylindrical edge of the workpiece (fig.1)
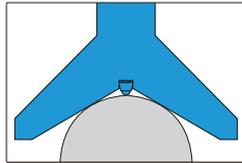---Read the digital indicator value

fig.1

4. Optional accessories: SPC cable(7302-,7305-,7315-) ,setting standard