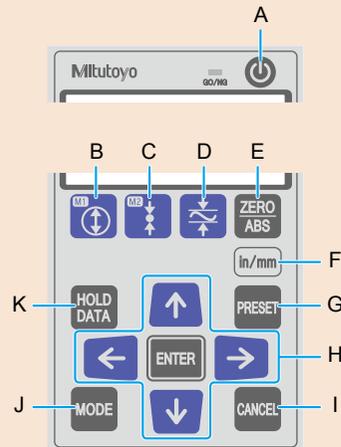


(For items and operations not included in this manual, please see the User's Manual.)

Operation Key List

	Switch Function
A	Turns the power on/off.
B	Switches to inner diameter measurements.
C	Switches to outer diameter measurements.
D	Switches to plane scanning measurements.
E	Switches between INC and ABS origins.
F	Switches between inches and millimeters (only on models that support inches).
G	Sets the ABS origin value.
H	Changes numbers and settings; confirms an operation.
I	Cancels an operation.
J	Displays the mode settings.
K	Holds a value in the display, and outputs the measurements to external devices.

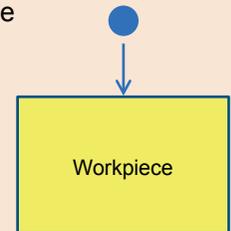


Setting the ABS Origin

- Press **PRESET**.
Check that [PRESET] and [+000.000] are displayed on the LCD screen.
(If a different value is displayed, press **↑**, **↓**, **←**, or **→** to set the value to [+000.000].)
- Slowly bring the probe into contact with the surface plate until a beep sound is made.
The origin setup is complete.

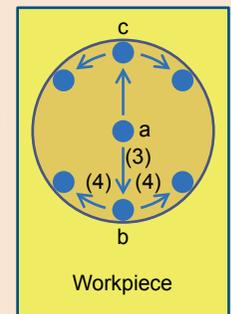
Height Measurement Example

- Press and hold **ZERO ABS** to change to the ABS origin setting.
- Bring the probe into contact with the upper surface of the workpiece until a beep sound is made.
[H] and the measurement will be displayed on the LCD screen.
- Repeat step (2) to continue measuring.



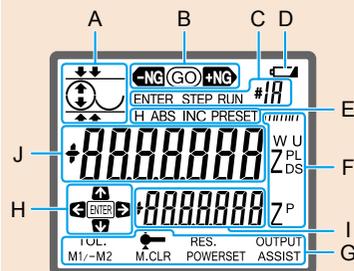
Circle (Hole) Measurement Example

- Press **M2**.
- Move the probe towards the center of the circle (a).
- Aim for the bottom peak (b), and bring the probe into contact with it. When you hear a beep, fix the probe up/down wheel so that it does not move.
- With the probe up/down wheel in a fixed position, move the main unit or the workpiece left and right to determine the point with the smallest value.
- When the value shown on the LCD screen stops changing, press **ENTER**.
- Use the same procedure as (3) and (4) to determine the point with the largest value in the upper peak (c).
- Press **ENTER**.
The diameter of the circle will be displayed on the LCD screen.



LCD Screen Display List

A	Guidance icon	H	Cursor, Enter
B	Tolerance judgment	I	Pitch
C	Assist function	J	Count
D	Power source low-voltage warning		
E	H (measurement hold), ABS (ABS origin), INC (INC origin), and PRESET (origin input)		
F	ZP (pitch), ZD (diameter), ZL (maximum value), ZS (minimum value), W (width), U (upper limit), L (lower limit), mm (millimeters), in (inches)		
G	Mode setting		



Setting the Probe Diameter

- Press **MODE** and then **M2**.
The current ball diameter will be displayed.
- Press **ENTER**.
- Slowly bring the probe into contact with the position shown below until a beep sound is made.
- Slowly bring the probe into contact with the position shown on the right until a beep sound is made.
- Press **ENTER**.
The probe diameter setting is complete.

