

Functions

Origin point setting (ABS measurement system): Resets the ABS origin at the current spindle position to the minimum value of the measuring range and switches to ABS mode.

Zero-setting (INC measurement system): A brief press on the ZERO/ABS button sets display to zero at the current spindle position and switches to the incremental (INC) measuring mode. A longer press resets to the ABS measuring mode.

HOLD: Pressing the HOLD button freezes the current value in the display. This function is useful for preserving a measurement in situations of poor visibility where the instrument must be moved away from the workpiece before the reading can be recorded.

Data output*4: Models equipped with this function have an output port for transferring measurement data to a Statistical Process Control (SPC) system.

*4: Only models with the data output function

Auto power ON/OFF: The reading on the LCD disappears after this instrument is idle for about 20 minutes, but the reading and measurement mode are retained. Turning the spindle causes the reading to reappear.

Error alarm: In case of an overflow on the LCD or a computing error, an error message appears on the LCD, and the measuring function stops. This prevents an instrument from giving an erroneous reading. Also, when the battery voltage drops to a certain level, the low-battery-voltage alarm annunciator appears well before the micrometer becomes unusable.

Function lock: This function allows the ORIGIN (origin point setting) function and the ZERO (zero-setting) function to be locked to prevent these points being reset accidentally.

SPECIFICATIONS

Metric							
	Order No	Range	Resolution	Accuracy*	Parallelism	Constant-force device	Mass
with SPC data output	293-230-30	0 - 25mm	0.001mm	±1μm	1μm	With ratchet stop	270g
	293-231-30	25 - 50mm					330g
	293-232-30	50 - 75mm		±2μm	2μm		470g
	293-233-30	75 - 100mm					625g
	293-250-30	100 - 125mm		3μm			600g
	293-251-30	125 - 150mm					740g
	293-252-30	150 - 175mm		±3μm			800g
	293-253-30	175 - 200mm					970g
	293-254-30	200 - 225mm		4μm		1100g	
	293-255-30	225 - 250mm				1270g	
	293-256-30	250 - 275mm		±4μm		1370g	
	293-257-30	275 - 300mm				1590g	
	293-234-30	0 - 25mm		±1μm	1μm	With ratchet thimble	280g
	293-235-30	25 - 50mm					340g
293-236-30	50 - 75mm	±2μm	2μm		480g		
293-237-30	75 - 100mm				635g		
without SPC data output	293-240-30	0 - 25mm	0.001mm	±1μm	1μm	With ratchet stop	270g
	293-241-30	25 - 50mm					330g
	293-242-30	50 - 75mm		±2μm	2μm		470g
	293-243-30	75 - 100mm					625g
	293-244-30	0 - 25mm		±1μm	1μm	With ratchet thimble	280g
	293-245-30	25 - 50mm					340g
	293-246-30	50 - 75mm		±2μm	2μm		480g
	293-247-30	75 - 100mm					635g

* Excluding quantizing error
• All-Digit preset type: models over 125mm (5") measuring range

Inch/Metric							
	Order No	Range	Resolution	Accuracy*	Parallelism	Constant-force device	Mass
with SPC data output	293-330-30	0 - 1"	.00005" /0.001mm	±.00005"	.00004"	With ratchet stop	270g
	293-331-30	1" - 2"			330g		
	293-332-30	2" - 3"		.00008"	470g		
	293-333-30	3" - 4"			625g		
	293-350-30	4" - 5"	±.0001"	.00012"	600g		
	293-351-30	5" - 6"			740g		
	293-352-30	6" - 7"	.0001" /0.001mm	±.00015"	.00016"		800g
	293-353-30	7" - 8"					970g
	293-354-30	8" - 9"					1100g
	293-355-30	9" - 10"					1270g
	293-356-30	10" - 11"	±.0002"	.0002"	1370g		
	293-357-30	11" - 12"			1590g		
	293-334-30	0 - 1"	.00005" /0.001mm	±.00005"	.00004"	With ratchet thimble	280g
293-335-30	275g						
293-336-30	1" - 2"	With friction thimble				335g	
without SPC data output	293-340-30	0 - 1"	.00005" /0.001mm	±.00005"	.00004"	With ratchet stop	270g
	293-341-30	1" - 2"			330g		
	293-342-30	2" - 3"		.00008"	470g		
	293-343-30	3" - 4"			625g		
	293-344-30	0 - 1"		±.00005"	.00004"	With ratchet thimble	280g
	293-345-30	1" - 2"					340g
	293-346-30	2" - 3"			.00008"		480g
	293-347-30	3" - 4"				635g	
	293-348-30	0 - 1"		±.00005"	.00004"	With friction thimble	275g

* Excluding quantizing error
• All-Digit preset type: models over 125mm (5") measuring range

DIMENSIONS

