

# MICROMETERS

## Digimatic Micrometers

*Series 293 – with or without SPC output*



**293-340**  
Ratchet Stop



**293-344**  
New Ratchet-Friction Thimble  
(Internal "clicking" ratchet mechanism)



**293-348**  
Standard Friction Thimble



**293-771**  
Larger Size Models  
(12-13" and above)  
feature an alternate  
Digimatic Head which  
rotates for use in various  
angles.  
These models also have  
ON/OFF controls and no  
auto-sleep function.

### Features

- Extra large LCD readout.
- Lightweight design and digital display allow measurements to be taken with the micrometer held in one hand.
- Two measuring modes—ABS (absolute) and INC (incremental)—for efficient measurement (with SPC output Model).
- Functions available: Origin setting, Inch/mm selection, Zero-setting, Data Hold only with SPC Models, Error alarm, Auto-sleep, Data output.
- Can be linked to the SPC system.
- Three types of constant-force devices are available: ratchet stop, ratchet-friction thimble, and friction thimble.
- Carbide-tipped measuring faces.
- Battery: SR44 (541980) x 1pc. for models up to 11–12" range. SR44 x 2pcs. for models of 12–13" range and above.
- Micrometers of ranges up to 4" (100mm) are "One-touch preset type", whereas those of ranges exceeding 4" (100mm) are "All-digit preset type".
- Origin setting function (ABS mode): The origin point value can be displayed with a touch of the ORIGIN button. (It is also possible to set any value as the origin.)
- Zero setting function (INC mode)

### Accuracy

- Flatness: .000012"/0.3 $\mu$ m
- Parallelism: .00004" for models up to 2"/1 $\mu$ m for models up to 50mm, .00008" for models up to 4"/2 $\mu$ m for models up to 100mm, .00008"+.00004" x ( $\frac{L}{4}$ )" for models over 4" (\*truncated after decimal pt.)/ (2+L/100) $\mu$ m for models over 100mm.  
L=Maximum measuring length.