

MDH Micrometer

SERIES 293 — High-Accuracy Sub-Micron Digimatic Micrometer

Technical Data

Flatness: 0.3µm/0.00012"
 Parallelism: 0.6µm/0.00024
 Measuring force: 7 to 9N

Functions

Preset (ABS measurement system)
 Zero-setting (INC measurement system)
 Hold, Resolution switching, Function lock, On/off, Auto power off, Measurement data output, Error alarm

Optional Accessories

05CZA662: SPC cable with data switch (1m/40")
 05CZA663: SPC cable with data switch (2m/80")



Function lock

Heat shield



FEATURES

- Enabling .000005"/0.1µm resolution measurement, this micrometer is ideal for customers who need to make highly accurate measurements with a handheld tool.
- A highly rigid frame and high-performance constant-force mechanism* enable more stable measurements, while the clicks emitted while the workpiece is being measured assure the operator that measurement is proceeding normally.

* Patent pending in Japan, the United States of America, the European Union and China.

- Body heat transferred to the instrument is reduced by a (removable) heat shield, minimizing the error caused by thermal expansion of the frame when performing handheld measurements.
- The ABS (absolute) rotary sensor also eliminates the need to perform origin setting each time the power is turned on, letting you start measuring right away. With no possibility of overspeed errors, the High-Accuracy Digimatic Micrometer also delivers a high level of reliability.



293-130-10



"d2" is the name for Mitutoyo Digimatic output compatible with up to 8 digits of I/O data.

SPECIFICATIONS

Metric

Order No.	Range	Resolution	Accuracy	Measuring surface	Mass
293-100-10	0 - 25mm	0.0001mm/0.0005mm (switchable)	±0.5µm	ø3.2mm	400g (440g w/Heat shield)

Inch/Metric

Order No.	Range	Resolution	Accuracy	Measuring surface	Mass
293-130-10	0 - 1" / 0 - 25.4mm	.000005"/.00002" / 0.0001mm/0.0005mm (switchable)	±.00002"	ø3.2mm	400g (440g w/Heat shield)

DIMENSIONS

