Digimatic Micrometers QuantuMike IP65

Functions	Series 293
Data output	●
ON/OFF	●
ORIGIN (until 100 mm)	●
ABS / INC (INC ZERO)	●
Auto Power OFF after 20 min. non use	●
Low voltage alarm	●
Function lock	●
HOLD	●
PRESET	●
GO/±NG judgement	●
Calculation function (with formula)	●
Customizing keys	●
Calibration warning function	●

Specifications

Display	LCD, character height 7,5 mm
Measuring face	Carbide-tipped, micro-lap finish
Measuring spindle	With spindle lock, ø 6.35 mm, spindle pitch 2 mm
Power supply	1 battery CR2032
Battery life	Approx. 2 years
Delivered	Including box, key, 1 battery, setting standard (from 25 mm upward) certificate of inspection (0-50 mm range)

Optional accessories

No.	Description
06AGL111	Digimatic Cable with Data Button IP Type, 1 m, Digimatic/ Digimatic 2/ Digimatic S1 Interface
06AGL121	Digimatic Cable with Data Button IP Type, 2 m, Digimatic/ Digimatic 2/ Digimatic S1 Interface
06AGQ001A	USB Input Tool Direct (Digimatic USB), 2m, Digimatic/ Digimatic 2/ Digimatic S1 Interface, IP Type
02AZF960	Connection Unit for IP Micrometer, U-WAVE fit, U-WAVE fit Bluetooth for Digimatic S1 Interface
264-622	U-WAVE fit, IP67 Type, Wireless Transmitter for Micrometer/Indicator
264-623	U-WAVE fit, Buzzer Type, Wireless Transmitter for Micrometer/Indicator
264-626	U-WAVE fit Bluetooth, IP67 Type, Wireless Transmitter for Micrometer/Indicator
264-627	U-WAVE fit Bluetooth, Buzzer Type, Wireless Transmitter for Micrometer/ Indicator
04GAA899	Colour Speeder, for Ratchet Thimble Black
04GAA900	Colour Speeder, for Ratchet Thimble Red
04GAA901	Colour Speeder, for Ratchet Thimble Yellow
04GAA902	Colour Speeder, for Ratchet Thimble Green
04GAA903	Colour Speeder, for Ratchet Thimble Blue
04AAB208	Colour Speeder, for Ratchet Thimble Grey
156-105-10	Micrometer Stand, 45° Angle Type, for Micrometer 0-50mm/0-2"
156-101-10	Micrometer Stand, Adjustable Angle Type, for Micrometer 0-100mm/0-4"

Consumable spares

No.	Description
05SAA217D	Lithium battery CR-2032, 1 pcs.

Series 293

QuantuMike

Dust- and Water-Protected

TÜVRheinland CERTIFIED www.tuv.com ID 1111264795

PROPRIETARY INSPECTION CERTIFICATE

Only for 0-25, 25-50 mm

IP65

This is an IP65 micrometer offering movement four times as fast as a standard micrometer.
It presents you with the following benefits:

- Faster measurement is achieved by using a coarser thread which feeds the spindle by 2 mm per thimble rotation.
- Bidirectional communication e.g. to perform parameter setting from a PC (Digimatic S 1 data output) is possible.
- Ratched thimble mechanism and a small design ensures easy single-handed or stand operation.
- Equipped with a calibration schedule warning function.
- GO/±NG judgement is performed by setting the upper and lower tolerance limits.
- Approach speed warning function for reliable measurements.
- Extraordinary battery life of 2 years (4000 h).
- Outstanding accuracy refer to EN ISO 3611 E_{MPE} ±1 µm (0-25, 25-50 mm model).
- Excellent resistance against water and dust (IP65 protection level) enables this micrometer to be used in machining situations that include splashing coolant fluid.
- A function lock protects the display against unauthorized use.
- Visibility is improved by enlarging the display unit.


293-140-40


293-141-40

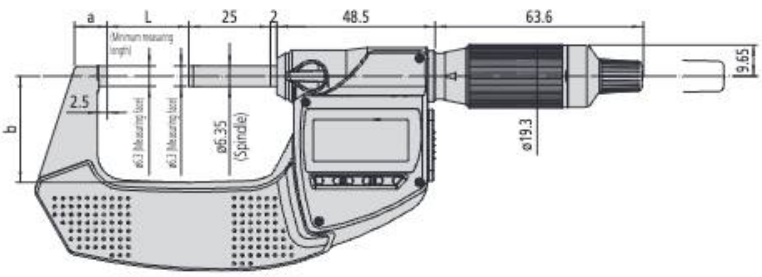

293-142-40


293-143-40

Metric

No.	Range [mm]	Digital step	Max. Permissible Error E MPE	Variation in length V MPE	Class EN ISO 3611	Measuring force [N]	L [mm]	a [mm]	b [mm]	Mass [g]
293-140-40	0–25	0,001 mm	±1 µm	1 µm	Class 1	7-12	0	9	25	265
293-141-40	25–50	0,001 mm	±1 µm	1 µm	Class 1	7-12	25	9,8	32,5	325
293-142-40	50–75	0,001 mm	±2 µm	2 µm	Class 1	7-12	50	12,6	47	465
293-143-40	75–100	0,001 mm	±2 µm	2 µm	Class 1	7-12	75	14	60	620





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Mitutoyo