Digimatic Spline Micrometers

Series 331

This Digimatic Spline Micrometer makes it easy for you to measure grooves and shaped parts. It offers you the following benefits:

- Anvil and spindle are of small diameter for measuring splined shafts, slots and keyways.
- Excellent resistance against water and dust (IP65 protection level) enables this micrometer to be used in machining situations that include splashing coolant fluid.

Dust- and Water-Protected

TÜVRheinland CERTIFIED

www.tuv.com ID 0000040191

IP65



331-251-30

Functions	Series 331
Data output	●
ORIGIN	●
ABS / INC (INC ZERO)	●
Auto Power OFF after 20 min. non use	●
Low voltage alarm	●
Function lock	
HOLD	●

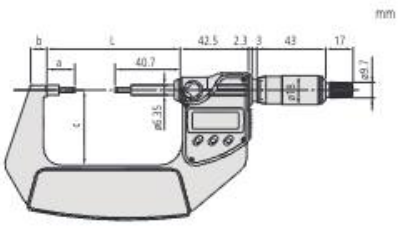
Specifications

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 0,5 mm
Scale	Thimble and sleeve satin chrome finish
Power supply	1 battery SR-44
Battery life	Approx. 2,4 years
Delivered	Including box, key, 1 battery, setting standard (from 25 mm upward)

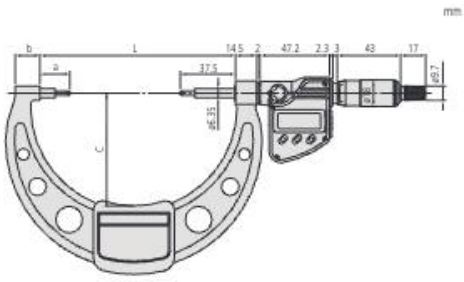
Metric

No.	Range [mm]	Digital step	Max. Permissible Error E MPE	Variation in length V MPE	Anvil / Spindle	Measuring force [N]
331-251-30	0–25	0,001 mm	±2 µm	2 µm	Type A, D=3 mm	5-10
331-261-30	0–25	0,001 mm	±2 µm	2 µm	Type B, D=2 mm	5-10
331-252-30	25–50	0,001 mm	±2 µm	2 µm	Type A, D=3 mm	5-10
331-262-30	25–50	0,001 mm	±2 µm	2 µm	Type B, D=2 mm	5-10
331-253-30	50–75	0,001 mm	±2 µm	2 µm	Type A, D=3 mm	5-10
331-263-30	50–75	0,001 mm	±2 µm	2 µm	Type B, D=2 mm	5-10
331-254-30	75–100	0,001 mm	±3 µm	3 µm	Type A, D=3 mm	5-10
331-264-30	75–100	0,001 mm	±3 µm	3 µm	Type B, D=2 mm	5-10

No.	L [mm]	a [mm]	b [mm]	c [mm]	Mass [g]
331-251-30	58,2	17,5	7,3	32,5	330
331-261-30	58,2	17,5	7,3	32,5	330
331-252-30	83,2	17,5	10,1	47	470
331-262-30	83,2	17,5	10,1	47	470
331-253-30	108,2	17,5	11,5	60	625
331-263-30	108,2	17,5	11,5	60	625
331-254-30	132,8	20,3	16,7	76	565
331-264-30	132,8	20,3	16,7	76	565



0-75 mm



75-100 mm

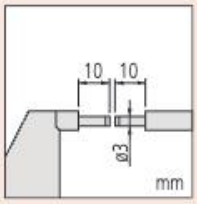
Optional accessories

No.	Description
05CZA662	Digimatic Cable with Data Button IP Type, 1 m, Micrometer Type
05CZA663	Digimatic Cable with Data Button IP Type, 2 m, Micrometer Type
06AFM380B	USB Input Tool Direct (Digimatic to USB), 2m Cable, Digimatic/Digimatic 2, with Data Button IP Micrometer Type
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
02AZF310	Connection Unit for IP Caliper, Micrometer, with Data Button for U-WAVE fit, U-WAVE fit Bluetooth

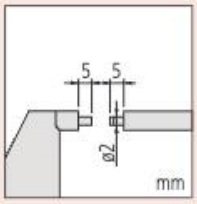
Consumable spares

No.	Description
63AAA800	Battery SR44 1,5 V





Type A



Type B

All products to be sold to commercial customers.
Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.