Blade Micrometers

SERIES 422,122 — Non-Rotating Spindle Type

Technical Data

Accuracy: Refer to the list of specifications
Resolution*: .00005"/0.001mm or 0.001mm
Graduation**: .0001" or 0.01mm
Parallelism: .00012" / 3µm for models up to 3" / 75mm
(3+R/100)µm for models over 75mm,
R=max. range (mm) .00016" for 4" models
Display*: LCD
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 2.4 years under normal use
*Digital models **Analog models

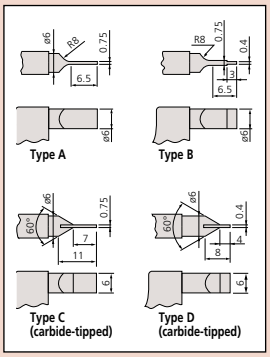
Function of Digital Model

Origin-set, Zero / ABS, Data hold, Data output, inch/mm conversion (on inch/metric models only)
Function lock
Alarm: Low voltage, Counting value composition error

Optional Accessories for Digital Model

05CZA662: SPC cable with data switch (1m / 40")
05CZA663: SPC cable with data switch (2m / 80")
937387: SPC cable for Quickmike type (1m / 40")
965013: SPC cable for Quickmike type (2m / 80")

TYPE AND DIMENSIONS



FEATURES

- The anvil and the spindle have a blade for measuring the groove diameter of shafts, keyways and other hard-to-reach areas.
- With ratchet stop for constant force.
- Non-slip grip finish (digital models).
- Speedy spindle feed of .4"/10mm /rev. (Quickmike type).
- With a standard bar except 0 - 1" and 0 -25mm model.
- Supplied in fitted plastic case.

Quickmike type

422-421

IP54

ABSOLUTE

422-330-30

122-125

SPECIFICATIONS

Metric Digital model

Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.001mm	**422-230-30**	±3µm	Type A	365
		422-260-30	±3µm	Type B	365
		422-270-30	±3µm	Type C	365
		422-271-30	±3µm	Type D	365
25 - 50mm	0.001mm	**422-231-30**	±3µm	Type A	565
		422-261-30	±3µm	Type B	565
50 - 75mm	0.001mm	**422-232-30**	±3µm	Type A	465
75 - 100mm	0.001mm	**422-233-30**	±4µm	Type A	580

Metric Quickmike type

Range	Resolution	Order No.	Accuracy	Mass (g)
0 - 30mm	0.001mm	**422-411**	±3µm	350
25 - 55mm	0.001mm	**422-412**	±3µm	490

Metric

Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	**122-101**	±3µm	Type A	260
		122-111	±3µm	Type B	260
		122-161	±3µm	Type C	275
		122-141	±3µm	Type D	275
25 - 50mm	0.01mm	**122-102**	±3µm	Type A	300
		122-112	±3µm	Type B	300
		122-162	±3µm	Type C	315
		122-142	±3µm	Type D	315
50 - 75mm	0.01mm	**122-103**	±3µm	Type A	360
75 - 100mm	0.01mm	**122-104**	±4µm	Type A	525
100 - 125mm	0.01mm	**122-105**	±4µm	Type A	670
125 - 150mm	0.01mm	**122-106**	±4µm	Type A	775
150 - 175mm	0.01mm	**122-107**	±5µm	Type A	950
175 - 200mm	0.01mm	**122-108**	±5µm	Type A	1140

Inch/Metric Digital model

Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	**422-330-30**	±.00015"	Type A	365
		422-360-30	±.00015"	Type B	365
		422-370-30	±.00015"	Type C	365
		422-371-30	±.00015"	Type D	365
1 - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	**422-331-30**	±.00015"	Type A	565
		422-361-30	±.00015"	Type B	565
2 - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	**422-332-30**	±.00015"	Type A	465
3 - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	**422-333-30**	±.0002"	Type A	580

Inch/Metric Quickmike type

Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 1.2" / 0 - 30.48mm	.00005" / 0.001mm	**422-421**	±.00015"	Type A	350
1 - 2.2" / 25.4 - 55.88mm	.00005" / 0.001mm	**422-422**	±.00015"	Type A	490

Inch

Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 1"	.0001"	**122-125**	±.00015"	Type A	260
		122-135	±.00015"	Type B	260
		122-151	±.00015"	Type D	275
1 - 2"	.0001"	**122-126**	±.00015"	Type A	300
2 - 3"	.0001"	**122-127**	±.00015"	Type A	360
3 - 4"	.0001"	**122-128**	±.0002"	Type A	525

Mitutoyo

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