

Technical Data

Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.001mm or .00005"/0.001mm
Graduation**: 0.01mm or .0001"
Parallelism: 3 μ m / .00012" for models up to 75mm / 3"
(3+R/100) μ m for models over 75mm,
R=max. range (mm) .00016" for 4" models
Display*: LCD
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 1.2 years under normal use
*Digital models **Analog models

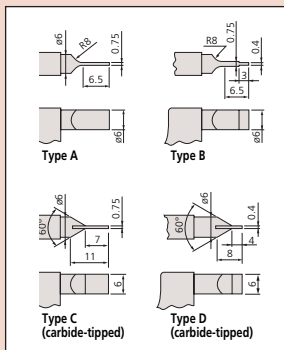
Function of Digital Model

Origin-set, Zero / ABS, Data hold, Data output,
inch/mm conversion (on inch/metric models only)
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



Blade Micrometers

SERIES 422,122 — Non-Rotating Spindle Type

FEATURES

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

Quickmike type



IP54

ABSOLUTE
Mitsubishi System Products by MITUTOYO

SPECIFICATIONS

Metric		Digital model			
Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.001mm	422-230	$\pm 3\mu\text{m}$	Type A	365
		422-260	$\pm 3\mu\text{m}$	Type B	365
		422-270	$\pm 3\mu\text{m}$	Type C	365
		422-271	$\pm 3\mu\text{m}$	Type D	365
25 - 50mm	0.001mm	422-231	$\pm 3\mu\text{m}$	Type A	565
		422-261	$\pm 3\mu\text{m}$	Type B	565
50 - 75mm	0.001mm	422-232	$\pm 3\mu\text{m}$	Type A	465
75 - 100mm	0.001mm	422-233	$\pm 4\mu\text{m}$	Type A	580

Metric		Quickmike type		
Range	Resolution	Order No.	Accuracy	Mass (g)
0 - 30mm	0.001mm	422-411	$\pm 3\mu\text{m}$	350
25 - 55mm	0.001mm	422-412	$\pm 3\mu\text{m}$	490

Metric					
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	122-101	$\pm 3\mu\text{m}$	Type A	260
		122-111	$\pm 3\mu\text{m}$	Type B	260
		122-161	$\pm 3\mu\text{m}$	Type C	275
		122-141	$\pm 3\mu\text{m}$	Type D	275
25 - 50mm	0.01mm	122-102	$\pm 3\mu\text{m}$	Type A	300
		122-112	$\pm 3\mu\text{m}$	Type B	300
		122-162	$\pm 3\mu\text{m}$	Type C	315
		122-142	$\pm 3\mu\text{m}$	Type D	315
50 - 75mm	0.01mm	122-103	$\pm 3\mu\text{m}$	Type A	360
75 - 100mm	0.01mm	122-104	$\pm 4\mu\text{m}$	Type A	525
100 - 125mm	0.01mm	122-105	$\pm 4\mu\text{m}$	Type A	670
125 - 150mm	0.01mm	122-106	$\pm 4\mu\text{m}$	Type A	775
150 - 175mm	0.01mm	122-107	$\pm 5\mu\text{m}$	Type A	950
175 - 200mm	0.01mm	122-108	$\pm 5\mu\text{m}$	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	$\pm .00015"$	Type A	365
		422-360	$\pm .00015"$	Type B	365
		422-370	$\pm .00015"$	Type C	365
		422-371	$\pm .00015"$	Type D	365
1 - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	422-331	$\pm .00015"$	Type A	565
		422-361	$\pm .00015"$	Type B	565
2 - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	422-332	$\pm .00015"$	Type A	465
3 - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	422-333	$\pm .0002"$	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	$\pm .00015"$	Type A	350
1 - 2.2" / 25.4 - 55.88mm	.00005" / 0.001mm	422-422	$\pm .00015"$	Type A	490

Inch					
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 1"	.0001"	122-125	$\pm .00015"$	Type A	260
		122-135	$\pm .00015"$	Type B	260
		122-151	$\pm .00015"$	Type D	275
1 - 2"	.0001"	122-126	$\pm .00015"$	Type A	300
		122-136	$\pm .00015"$	Type B	300
2 - 3"	.0001"	122-127	$\pm .00015"$	Type A	360
3 - 4"	.0001"	122-128	$\pm .0002"$	Type A	525