

## 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 $\mu$ m / .00012" for models up to 75mm / 3"  
(3+R/100) $\mu$ 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

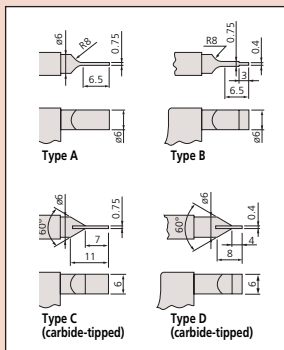
## Function of Digital Model

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	<b>422-230</b>	$\pm 3\mu\text{m}$	Type A	365
		<b>422-260</b>	$\pm 3\mu\text{m}$	Type B	365
		<b>422-270</b>	$\pm 3\mu\text{m}$	Type C	365
		<b>422-271</b>	$\pm 3\mu\text{m}$	Type D	365
25 - 50mm	0.001mm	<b>422-231</b>	$\pm 3\mu\text{m}$	Type A	565
		<b>422-261</b>	$\pm 3\mu\text{m}$	Type B	565
50 - 75mm	0.001mm	<b>422-232</b>	$\pm 3\mu\text{m}$	Type A	465
75 - 100mm	0.001mm	<b>422-233</b>	$\pm 4\mu\text{m}$	Type A	580

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

Metric					
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	<b>122-101</b>	$\pm 3\mu\text{m}$	Type A	260
		<b>122-111</b>	$\pm 3\mu\text{m}$	Type B	260
		<b>122-161</b>	$\pm 3\mu\text{m}$	Type C	275
		<b>122-141</b>	$\pm 3\mu\text{m}$	Type D	275
25 - 50mm	0.01mm	<b>122-102</b>	$\pm 3\mu\text{m}$	Type A	300
		<b>122-112</b>	$\pm 3\mu\text{m}$	Type B	300
		<b>122-162</b>	$\pm 3\mu\text{m}$	Type C	315
		<b>122-142</b>	$\pm 3\mu\text{m}$	Type D	315
50 - 75mm	0.01mm	<b>122-103</b>	$\pm 3\mu\text{m}$	Type A	360
75 - 100mm	0.01mm	<b>122-104</b>	$\pm 4\mu\text{m}$	Type A	525
100 - 125mm	0.01mm	<b>122-105</b>	$\pm 4\mu\text{m}$	Type A	670
125 - 150mm	0.01mm	<b>122-106</b>	$\pm 4\mu\text{m}$	Type A	775
150 - 175mm	0.01mm	<b>122-107</b>	$\pm 5\mu\text{m}$	Type A	950
175 - 200mm	0.01mm	<b>122-108</b>	$\pm 5\mu\text{m}$	Type A	1140

Inch/Metric		Digital model			
Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	<b>422-330</b>	$\pm .00015"$	Type A	365
		<b>422-360</b>	$\pm .00015"$	Type B	365
		<b>422-370</b>	$\pm .00015"$	Type C	365
		<b>422-371</b>	$\pm .00015"$	Type D	365
1 - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	<b>422-331</b>	$\pm .00015"$	Type A	565
		<b>422-361</b>	$\pm .00015"$	Type B	565
2 - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	<b>422-332</b>	$\pm .00015"$	Type A	465
3 - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	<b>422-333</b>	$\pm .0002"$	Type A	580

Inch/Metric		Quickmike type			
Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 1.2" / 0 - 30.48mm	.00005" / 0.001mm	<b>422-421</b>	$\pm .00015"$	Type A	350
1 - 2.2" / 25.4 - 55.88mm	.00005" / 0.001mm	<b>422-422</b>	$\pm .00015"$	Type A	490

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