

Tool Kits

The Digimatic Tool Kits include Mitutoyo's highly popular 0–1" / 0–25mm Digimatic Micrometer (choose ratchet or friction type) and 0–6" / 0–150mm Digimatic Caliper with Absolute Encoder. The case is made of handsome, solid mahogany and has space for gage batteries. The micrometer spanner is a supplied accessory.

Order No. 64PKA068A (Inch Tool Kit)	
Item No.	Description
103-135	Outside Micrometer (Friction Thimble Type) (Range: 0–1", Graduation: .0001")
505-742	Dial Caliper (Range: 0–6", Dial Graduation: .001")
182-204	6" Full-Flexible Rule (3R)
64PPP932	Mahogany Case



64PKA068A

Order No. 64PKA069A (Inch Tool Kit)	
Item No.	Description
103-135	Outside Micrometer (Friction Thimble Type) (Range: 0–1", Graduation: .0001")
182-202	6" Full-Flexible Rule (16R)
513-518T	Test Indicator Set (Range: .04", Graduation: .001")
505-742	675 Dial Caliper (Range: 0–6", Dial Graduation: .001")
050501	Mahogany Case

The basic measuring instruments recommended for vocational students and machinist apprentices are supplied in this kit.



64PKA069A

Order No. 64PKA070A (Inch Tool Kit)	
Item No.	Description
101-117	Outside Micrometer (Friction Thimble Type) (Range: 0–1", Graduation: .0001")
129-132	Depth Micrometer (with 6 pcs rods) (Range: 0–6", Graduation: .001")
182-202	Full-Flexible Rule (16R)
505-742	Dial Caliper (Range: 0–6", Graduation: .001")
050503	Mahogany Case

For operations where depth measurements are a primary concern, this kit is ideal for measuring depths to 6", in addition to providing the tools for regular precision measurements.



64PKA070A

Order No. 64PKA071B (Inch Tool Kit)	
Item No.	Description
103-922	Outside Micrometer Set (3 pcs) (Range: 0–3", Graduation: .0001")
141-208	Inside Micrometer (with 6 pcs rods)
182-202	Full-Flexible Rule (16R)
513-518T	Test Indicator Set (Range: .04", Graduation: .001")
505-742	Dial Caliper (Range: 0–6", Dial Graduation: .001")
24165	Dial Indicator (Range: 1.0", Graduation: .001")
70105	Magnetic Stand
050504	Mahogany Case

Most every routine inspection assignment can be completed with the eight high-quality Mitutoyo precision measuring instruments provided in this deluxe kit.



64PKA071B

Note: 050504 Mahogany Case is being reconfigured (not as pictured).

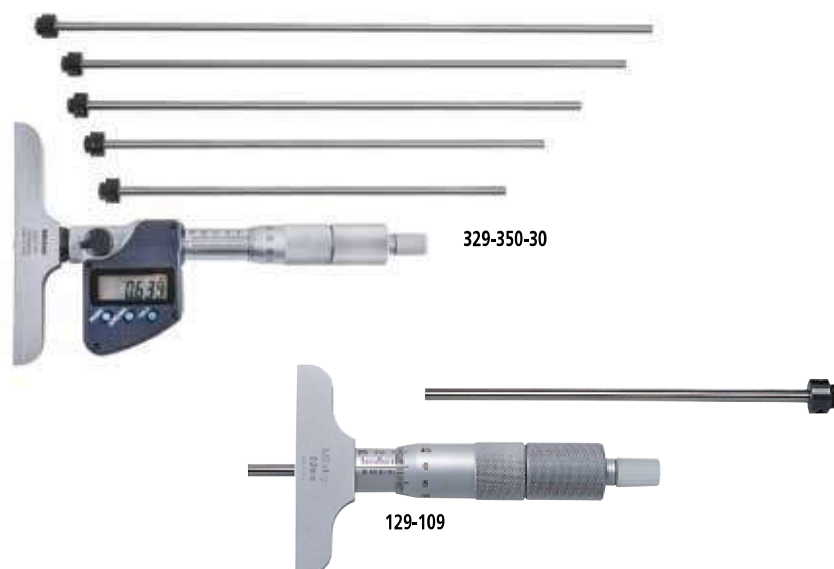
Mitutoyo

Depth Micrometer

SERIES 329, 129 — Interchangeable Rod Type

FEATURES

- $\varnothing 4$ mm interchangeable rods, with lapped measuring end, provide a wide measuring range.
- The rod length can be adjusted in 1" or 25mm increments.
- With ratchet stop for constant force.
- With measuring rod clamp.
- With SPC output (Series 329).
- Supplied in fitted plastic case.



SPECIFICATIONS

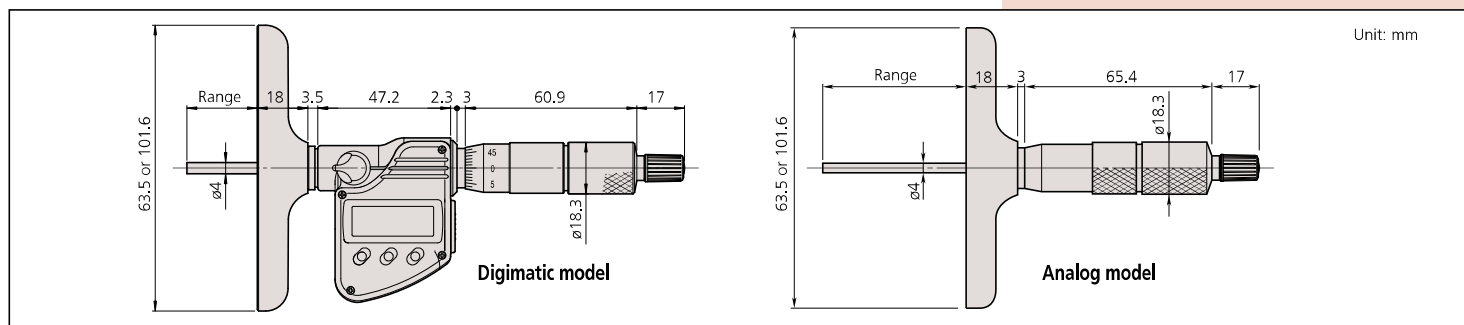
Metric Digimatic model			
Range	Order No.	Base Size	Rod Qty.
0 - 150mm	329-250-30	101.6x16mm	6 rods
0 - 300mm	329-251-30	101.6x16mm	12 rods

Metric			
Range	Order No.	Base Size	Rod Qty.
0 - 50mm	129-109	63.5x16mm	2 rods
0 - 100mm	129-111	63.5x16mm	4 rods
0 - 100mm	129-115	101.6x16mm	4 rods
0 - 150mm	129-112	63.5x16mm	6 rods
0 - 150mm	129-116	101.6x16mm	6 rods

Inch/Metric Digimatic model			
Range	Order No.	Base Size	Rod Qty.
0 - 6" / 0 - 152.4mm	329-350-30	4"x.63"	6 rods
0 - 12" / 0 - 304.8mm	329-351-30	4"x.63"	12 rods

Inch			
Range	Order No.	Base Size	Rod Qty.
0 - 4"	129-127	2.5"x.63"	4 rods
0 - 4"	129-131	4"x.63"	4 rods
0 - 6"	129-128	2.5"x.63"	6 rods
0 - 6"	129-132	4"x.63"	6 rods
0 - 12"	129-149	2.5"x.63"	12 rods
0 - 12"	129-150	4"x.63"	12 rods

DIMENSIONS



Technical Data

Accuracy: $\pm 0.0015"/3\mu\text{m}$ for micrometer head feed
 $\pm [0.0008 + (.00004 \times R/3)]"$
 $R = \text{max. measuring length (inch)}$
 $\pm (2 + L/75)\mu\text{m}$ for interchangeable rod,
 $L = \text{Max. measuring length (mm)}$
Resolution*: $.00005"/0.001\text{mm}$ or 0.001mm
Graduation**: $.001"$ or 0.01mm
Flatness of reference surface (base):
 $.00005"/1.3\mu\text{m}$ for $2.5"/63.5\text{mm}$ wide base
 $.00008"/2\mu\text{m}$ for $4"/101.6\text{mm}$ wide base
Flatness of measuring face (rod):
 $.000012"/0.3\mu\text{m}$
Parallelism between reference face and measuring rod face:
 $[0.0016 + (.00004 \times R/2)]"$
 $R = \text{max. measuring range (inch)}$
 $(4 + L/50)\mu\text{m}$
 $L = \text{Max. measuring length (mm)}$
Zero point error of rods:
 $\pm 0.0002"/4\mu\text{m}$ for 0-6"/0-150mm models
 $\pm 0.0003"/6\mu\text{m}$ for 0-12"/0-300mm models
Measuring rod diameter: $.157"/4\text{mm}$
Display*: LCD
Battery*: SR44 (1 pc.), 938882
Battery life*: Approx. 2.4 years under normal use
*Digital models **Analog models

Function of Digimatic Model

Origin-set, Zero-setting, Data hold, Data output,
inch/mm conversion (on inch/metric models only)
Function Lock, 2 Presets
Alarm: Low voltage, Counting value composition error

Optional Accessories for Digimatic Model

05CZA662: SPC cable with data switch (40" / 1m)
05CZA663: SPC cable with data switch (80" / 2m)

