

## Digimatic Caliper

Mitutoyo

Large and clear LCD readout.

The ZERO/ABS key allows the display to be zero - set at any slider position along the scale for incremental comparison measurements. This switch will also allow return to the absolute (ABS) coordinate and display of the true position from the origin point (Usually jaws - Closed point). Carbide - Tipped jaw type calipers are also available.



### Metric Size

Number	Price ฿	Mfr's	Range	Accuracy	Resolution
5M92 7853	—	500-150-20 **	0 - 100mm	±0.02mm	0.01mm
5M92 7854	—	500-151-20	0 - 150mm	±0.02mm	0.01mm
5M92 7855	—	500-155-20	0 - 150mm	±0.02mm	0.01mm
5M92 7856	—	500-158-20 **	0 - 150mm	±0.02mm	0.01mm
5M92 7857	—	500-152-20	0 - 200mm	±0.02mm	0.01mm
5M92 7858	—	500-157-20	0 - 200mm	±0.02mm	0.01mm
5M92 7859	—	500-153	0 - 300mm	±0.03mm	0.01mm
5M92 7860	—	500-500-10 *	0 - 450mm	±0.05mm	0.01mm
5M92 7861	—	500-501-10 *	0 - 600mm	±0.05mm	0.01mm
5M92 7862	—	500-502-10 *	0 - 1000mm	±0.07mm	0.01mm

### ► Encoder technology

Digital caliper is the next generation of electronic calipers. It keeps track of its origin point once set. Whenever turned on, the large LCD screen displays the actual slider position ready to start measurement. No more repeated zero setting is necessary with the absolute encoder technology as well as no more care for overspeed errors.

\* Without thumb rollers. \*\* Ø 1.9mm Rod depth bar.

### Technical Data

**Accuracy** : Refer to the list of specifications (Excluding quantizing error)

**Resolution** : 0.01mm or .0005"/0.01mm

**Repeatability** : 0.01mm / .0005"

**Display** : LCD

**Length standard** : ABSOLUTE electrostatic capacitance type linear encoder

**Max. Response speed** : Unlimited

**Battery** : SR44 (1 pc.), 938882

**Battery life** : Approx. 3.5 years under normal use

### Function

Origin - Set, Zero - Setting, Data output, inch/mm conversion

(On inch/metric models only)

Alarm : Low voltage, Counting value composition error

\* Without SPC data output.

† Carbide - Tipped jaws.

Number	Price ฿	Mfr's	Range	Accuracy	Resolution	Remarks
5H39 5680	—	500-170-20	0 - 4" / 0 - 100mm	±.001"	.0005" / 0.01mm	.075 Rod depth bar
5H39 5681	—	500-195-20 *	0 - 4" / 0 - 100mm	±.001"	.0005" / 0.01mm	.075 Rod depth bar
5H39 5682	—	500-171-20	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	—
5H39 5683	—	500-175-20 †	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	OD & ID Measurement
5H39 5684	—	500-178-20	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	.075 rod depth bar
5H39 5685	—	500-196-20 *	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	—
5H39 5686	—	500-160-20 *†	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	OD & ID Measurement
5H39 5687	—	500-172-20	0 - 8" / 0 - 200mm	±.001"	.0005" / 0.01mm	—
5H39 5688	—	500-177-20 †	0 - 8" / 0 - 200mm	±.001"	.0005" / 0.01mm	OD & ID Measurement
5H39 5689	—	500-197-20 *	0 - 8" / 0 - 200mm	±.001"	.0005" / 0.01mm	—
5H39 5690	—	500-164-20 *†	0 - 8" / 0 - 200mm	±.001"	.0005" / 0.01mm	OD & ID Measurement
5H39 5691	—	500-173	0 - 12" / 0 - 300mm	±.0015"	.0005" / 0.01mm	—
5H39 5692	—	500-168 †	0 - 12" / 0 - 300mm	±.0015"	.0005" / 0.01mm	OD & ID Measurement
5H39 5693	—	500-193 *	0 - 12" / 0 - 300mm	±.0015"	.0005" / 0.01mm	—
5H39 5694	—	500-166 *†	0 - 12" / 0 - 300mm	±.0015"	.0005" / 0.01mm	OD & ID measurement
5H39 5695	—	500-505-10	0 - 18" / 0 - 450mm	±.002"	.0005" / 0.01mm	Without thumb roller
5H39 5696	—	500-506-10	0 - 24" / 0 - 600mm	±.002"	.0005" / 0.01mm	Without thumb roller
5H39 5697	—	500-507-10	0 - 40" / 0 - 1000mm	±.003"	.0005" / 0.01mm	Without thumb roller

## Digimatic Scales

► **Featues** no rack, no pinion, no glass scale. Linear scale is safely embedded in the hardened stainless steel blade. All units come with two mounting brackets, each located at either end of the scale. Battery life of approximately 2 years on smaller models.

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### X Ory - Axis

Number	Price ฿	Rang	Accuracy	LCD
2C96 3600	—	0-4"/0-100mm	±.001"/0.03mm	.0005"/0.01mm
2C96 3602	—	0-6"/0-150mm	±.001"/0.03mm	.0005"/0.01mm
2C96 3604	—	0-8"/0-200mm	±.001"/0.03mm	.0005"/0.01mm

Can be installed on almost any surface, offering the user precise linear measurement capability with the added benefits of LCD readout and output for recording data and SPC. Compact and lightweight, yet highly durable, these digimatic scales are designed to fit in the tightest of places. Ideal for small to medium - size applications. Can also be connected to MITUTOYO's remote display boxes for bright LED readout.