Digital Micrometer with Coolant-proof Function Coolant Proof Micrometer

•Patent pending •Design registration pending





THINK MEASUREMENT...

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- Based on new water-proof structural technology, these micrometers provide IP65 protection levels, enabling use in environments exposed to cutting oil, etc.
- Measurement data output function is available with a water-resistant connection cable.
- Oil-resistance materials are used in all plastic components.
- ±.00005"/±1 μm instrumental error (3"/75 mm or less range models)
- Auto power ON/OFF function.
- Certificate of inspection* is included. (2"/50mm or less range models)

*It is not the type used to obtain calibration certificates.



Certificate of inspection



Order No. (with ratchet stop)

Order No.	Range	Order No.	Range
293-230	0-25mm	293-330	0-1"/0-25.4mm
293-231	25-50mm	293-331	1-2"/25.4-50.8mm
293-232	50-75mm	293-332	2-3"/50.8-76.2mm
293-233	75-100mm	293-333	3-4"/76.2-101.6mm
293-240*	0-25mm	293-340*	0-1"/0-25.4mm
293-241*	25-50mm	293-341*	1-2"/25.4-50.8mm
293-242*	50-75mm	293-342*	2-3"/50.8-76.2mm
293-243*	75-100mm	293-343*	3-4"/76.2-101.6mm

^{*}without data output function

Order No. (with ratchet thimble)

Order No.	Range	Order No.	Range
293-234	0-25mm	293-334	0-1"/0-25.4mm
293-235	25-50mm	_	_
293-236	50-75mm	_	_
293-237	75-100mm	_	_
293-244*	0-25mm	293-344*	0-1"/0-25.4mm
293-245*	25-50mm	293-345*	1-2"/25.4-50.8mm
293-246*	50-75mm	293-346*	2-3"/50.8-76.2mm
293-247*	75-100mm	293-347*	3-4"/76.2-101.6mm

^{*}without data output function

Order No. (with friction thimble)

Order No.	Range	Order No.	Range
293-238	0-25mm	293-335	0-1"/0-25.4mm
_	_	293-336	1-2"/25.4-50.8mm
293-248*	0-25mm	293-348*	0-1"/0-25.4mm

^{*}without data output function

Dimensions With ratchet stop 1-2"(25-50mm) Range With ratchet thimble Ratchet stop 0-1" (0-25mm) .39" 1.27" 2.79" (9.8) (32) (70.3) 1-2" (25-50mm) 2-3" (50-75mm) .50" 1.87" 3.65" (12.6) (47) (91.9) ø.72" (ø18) .57" 2.38" 4.49" (14) (60) (112.9) 3-4" (75-100mm) Ratchet thimble 0-1" (0-25mm) .99" 2.38" (25) (59.8) 1-2" (25-50mm) .39" 1.27" 2.79" (9.8) (32) (70.3)

Specifications

Resolution	.00005"/0.001mm, 0.001mm
Accuracy*1	±.00005"/±1µm, ±.0001"/±2µm (3-4"/75-100mm)
Functions	Origin setting (for ABS length measurements), Zero-setting (for INC measurements), Data hold, Auto power ON/OFF, Measurement data output, Error reporting
Protection level	IP65 (IEC60529), *Anti-corrosion treatment is required after use.
Flatness	.000012"/0.3μm or less
Parallelism	.00005"/1µm or less (0-1"/0-25mm, 1-2"/25-50mm models) .00008"/2µm or less (2-3"/50-75mm, 3-4"/75-100mm models)
Power supply	One button-type silver oxide battery (SR44)
Battery life	About 1.2 years under normal use conditions
Standard accessories	One standard bar (none for 0-1"/0-25mm models), one button-type silver oxide battery (SR44 No. 938882), one wrench

^{*}Quantizing error ±1 count is not included.

Optional accessories

Water-resistance connection cable*2

1-meter cable: **No. 05CZA662** 2-meter cable: **No. 05CZA663**



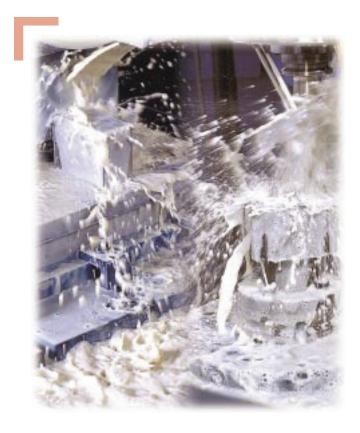
• DP-1VR Digimatic Mini-Processor No. 264-504-5A

(Data processing device for quality control applications)

- Keyboard Input Tool No. 264-005
- RS232C Input Tool No. 264-007
- USB Input Tool
 (Measurement data input device with USB keyboard signals)

 No. 264-012





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