



Precision Worldwide

DECIDING UPON THE RIGHT USE OF MICROMETER OR MEASUREMENT INSTRUMENT IS ALWAYS A CHALLENGING TASK. THE TOOLS, INSTRUMENTATIONS AND SOLUTIONS NEED TO BE CHOSEN VERY CAREFULLY. SOLUTIONS NEED TO PERFORM WITH THE HIGHEST LEVEL OF ACCURACY WITH THE MINIMUM AMOUNT OF MAINTENANCE.

MICROTEST® UNDERSTANDS THIS PROBABLY MORE SO THAN ANY OTHER MANUFACTURERS ON THE MARKET AND IT IS FOR THIS REASON MICROTEST UNDERTAKES THE MOST VIGOROUS TESTING TO ENSURE THAT ALL MICROMETERS PERFORM IN ALL APPLICATIONS WITH MAXIMUM ACCURACY RELIABILITY AND EFFICIENCY.

Advantages of MICROTEST® 3-Point Internal Micrometer:

- huge measuring ranges from Ø 30 to 400 mm in 6 instruments only, and with 3 big tools Ø 400 to 650, Ø 650 to 900 and Ø 900 to 1150 mm
- highest precision: Linearity $\pm 2\mu\text{m}$ / $\pm 3\mu\text{m}$, repetition $\pm 1\mu\text{m}$
- scales: 1 μm read out, paralaxfree / 1 turn = 1 mm direct full read out 1 mm, 0.01 (100 div. / turn), 0.001 (nonius) no readout errors
- automatic self centring for easy and save handling
- "blind hole" measuring down to the base in deep holes
- length extension up to many meters without precision reduction
- thermal-protected and -compensated construction
- automatic linear wear correction throughout easy adjustment



Declaration of Conformity:

Declaration of conformity and confirmation of the traceability of the measurement MICROTEST AG confirms that our products have been inspected and that they conform both to the applicable national standards and to our factory standards. The test equipment used for this inspection has a precision that can be traced back to national length standards.

Guarantee:

We provide 2 year's guarantee, provided the guarantee seal remains undamaged!

We support industry sectors such as machine, tool, gear, motor, engine, pump, compressor, vehicle, train, turbine and power station construction as well as oil-field, mining, aviation and aerospace technology.

www.microtest.ch

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Microtest AG Data-Sheet

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Digital-Internal-Micrometer, MICROTEST-Internal-Micrometer

Art. No.	Description	Ø in mm	Range	Depth	Linear Accuracy	Repetition Accuracy	Rad out
IE5001	3-Point Internal-Micrometer 30-40mm	30-40	10 mm	110 mm	± 2 µm	± 2 µm	0,001 mm
IE5002	3-Point Internal-Micrometer 40-60mm	40-60	20 mm	110 mm	± 2 µm	± 2 µm	0,001 mm
IE5003	3-Point Internal-Micrometer 60-90mm	60-90	30 mm	110 mm	± 2 µm	± 2 µm	0,001 mm
IE5004	3-Point Internal-Micrometer 90-140mm	90-140	50 mm	110 mm	± 2 µm	± 2 µm	0,001 mm
IE5005	3-Point Internal-Micrometer 140-240mm	140-240	100 mm	160 mm	± 3 µm	± 2 µm	0,001 mm
IE5006	3-Point Internal-Micrometer 240-400mm	240-400	160 mm	210 mm	± 3 µm	± 2 µm	0,001 mm
IE5021	3-Point Internal-Micrometer 50-75mm	50-75	25 mm	110 mm	± 2 µm	± 2 µm	0,001 mm
IE5022	3-Point Internal-Micrometer 75-115mm	75-115	40 mm	110 mm	± 2 µm	± 2 µm	0,001 mm
IE5023	3-Point Internal-Micrometer 115-185mm	115-185	70 mm	160 mm	± 3 µm	± 2 µm	0,001 mm
IE5024	3-Point Internal-Micrometer 185-315mm	185-315	130 mm	210 mm	± 3 µm	± 2 µm	0,001 mm

MICROTEST Gold - Edition:

Enhanced Read Out 0.0001 !

Contact us, we are pleased to assist you.

Digital-ECO-Line:

Cost-effective complete solution!

Contact us, we are pleased to assist you.

Analogue-Internal-Micrometer, MICROTEST-Internal-Micrometer

Art. No.	Description	Ø in mm	Range	Depth	Linear Accuracy	Repetition Accuracy	Rad out
IM2001	3-Point Internal-Micrometer 30-40mm	30-40	10 mm	110 mm	± 2 µm	± 1,5 µm	0,001 mm
IM2002	3-Point Internal-Micrometer 40-60mm	40-60	20 mm	110 mm	± 2 µm	± 1,5 µm	0,001 mm
IM2003	3-Point Internal-Micrometer 60-90mm	60-90	30 mm	110 mm	± 2 µm	± 1,5 µm	0,001 mm
IM2004	3-Point Internal-Micrometer 90-140mm	90-140	50 mm	140 mm	± 2 µm	± 1,5 µm	0,001 mm
IM2005	3-Point Internal-Micrometer 140-240mm	140-240	100 mm	210 mm	± 3 µm	± 1,5 µm	0,001 mm
IM2006	3-Point Internal-Micrometer 240-400mm	240-400	160 mm	300 mm	± 3 µm	± 1,5 µm	0,001 mm
IM2007	3-Point Internal-Micrometer 400-650mm	400-650	250 mm	520 mm	± 5 µm	± 2,5 µm	0,001 mm
IM2008	3-Point Internal-Micrometer 650-900mm	650-900	250 mm	520 mm	± 6 µm	± 3,5 µm	0,001 mm
IM2009	3-Point Internal-Micrometer 900-1150mm	900-1150	250 mm	520 mm	± 8 µm	± 4,5 µm	0,001 mm

*Technical specifications are subject to change by Microtest AG, at any Time