



Microtest AG is for more than 50 years specialising in measurement of internal diameters. Through permanent optimisation, constant further development and improvement, our measuring instruments have reached a very high standard of precision, reliability and universality for the high requirements of our customers.

Our new digital internal micrometer MICROTEST® high-precision mechanics are refined with high-tech electronics. As a result of intensive development we implement a digital module that enables even higher accuracies to be achieved than with analogue equipment. The measurement shaft, carries a highly accurate sensor that generates 10,000 increments per rotation. The recording of values measured in 100 nm steps improves the accuracy significantly.

The module meets the IP 67 standard of protection and is impact resistant. The high contrast display with large numbers makes readout easier. For data transfer a radio module is available as an option, with a range of ~100m, or alternatively a cable can be used.

**GOLD
Edition**



± 1,5 µm
± 1 µm

**Standard
Edition**



± 2 µm
± 1,5 µm

**ECO-Line
Set**



± 3 µm
± 2,5 µm



ECO-Line Set 30-90mm

Featuring One DIGITAL Module with Three changeable measuring heads, One extension and all the necessary ring gauges for calibration. Delivered in a waterproof, resistant to chemicals and military certified Polypropylene case.

- Range 30-40mm, 40-60mm and 60-90mm
- Linear accuracy ± 3 µm
- Repetition accuracy ± 2,5 µm

Visit us at our Booth No: 1720

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 accuracy!

Read Out 0.0001 !

Contact us, we are pleased to assist you.

Digital-ECO-Line:

Cost-effective complete solution!

Digital-Set, MICROTEST - ECO-Line, Interchangeable Display, complete with accessories.

		Depth	Linear Accuracy	Repetition Accuracy	Rad out
ECO S3	ECO-Line Set S-3	110 / 210mm	± 3 µm	± 3 µm	0,001 mm
	3 MICROTEST - ECO-Line Internal Micrometer, 2 control rings Ø 40/90 mm				
	1 Display Unit-ECO, 1 Extension 100 mm, 1 Toolset, 1 Case				
ECO S4	ECO-Line Set S-4	110 / 210mm	± 4 µm	± 3 µm	0,001 mm
	3 MICROTEST - ECO-Line Internal Mikrometer, 2 control rings Ø 90/240 mm				
	1 Display Unit-ECO, 1 Extension 100 mm, 1 Toolset, 1 Case				
ECO S5	ECO-Line Set S-5	110 / 210mm	± 3 µm / ± 4 µm	± 3 µm	0,001 mm
	6 MICROTEST - ECO-Line Internal Micrometer, 3 control rings Ø 40/90/240 mm				
	2 Display Unit-ECO, 1 Extension 100 mm, 1 Toolset, 2 Case				
ECO S7	ECO-Line Set S-7	110 / 210mm	± 3 µm / ± 4 µm	± 3 µm	0,001 mm
	4 MICROTEST - ECO-Line Internal Micrometer, 2 control rings Ø 75/185 mm				
	2 Display Unit-ECO, 1 Extension 100 mm, 1 Toolset, 1 Case				

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