



Mahr |

Micromar 44 EWR(i)



Product Launch 2025

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Digital inside micrometer Micromar 44 EWR(i)

Outstanding new features

- Improved measuring heads 44 Ak
- New micrometer unit
- Unique connectivity



- Smooth feel ratchet
- Impressive display
- Proven operating concept

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Digital inside micrometer Micromar 44 EWR(i)

Outstanding new features

Improved measuring heads 44 Ak
For optimum corrosion protection and cleaning properties

from 30 mm

- Front panel made of stainless steel
- Anodized aluminium body



Older version



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Digital inside micrometer Micromar 44 EWR(i)

Outstanding new features



NEW Micrometer unit

- Compact
- Lighter
- Ergonomic
- More robust protection class



Older version



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Digital inside micrometer Micromar 44 EWR(i)

Outstanding new features

Data transmission for all requirements



44 EWRi Integrated Wireless



44 EWR with cable interface



Digital inside micrometer Micromar 44 EWR(i)

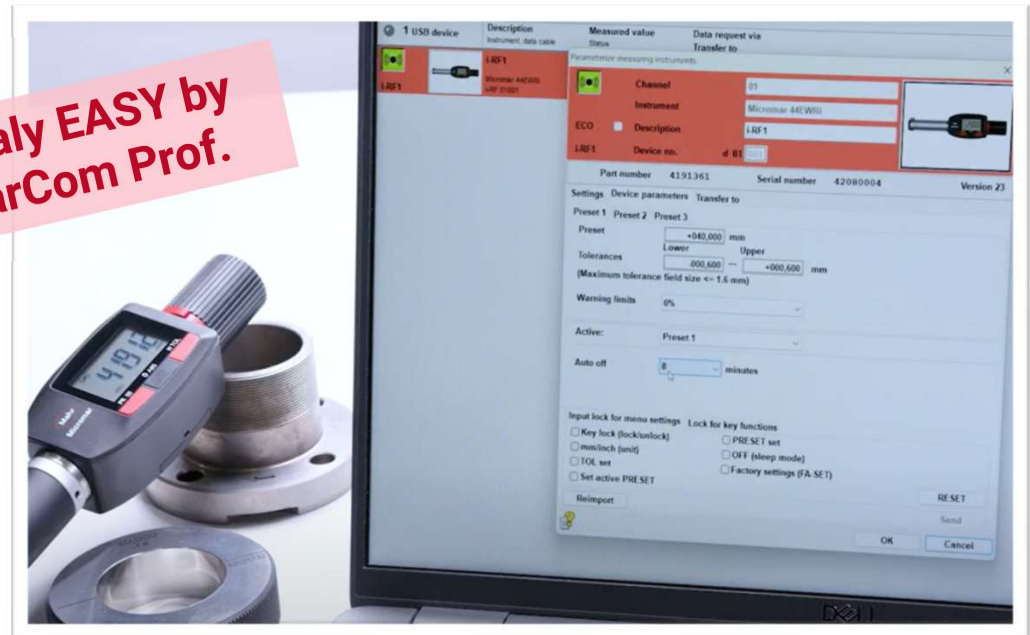
Unique connectivity and remote control capability
Bidirectional data transfer by USB and Integrated Wireless

Setting the device parameters, button and menu locks

Measured value transmission



Totally EASY by MarCom Prof.



Digital inside micrometer Micromar 44 EWR(i)

Outstanding new features



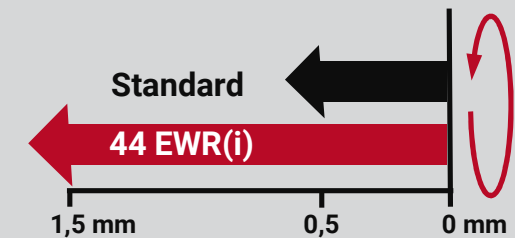
Smooth feel ratchet

- Very sensitive for precise measurements
- Extended for optimum handling, including one-hand operation

3 x Quicker than competitors

⇒ 1,5 mm range per turn

3 x Quicker measuring movement



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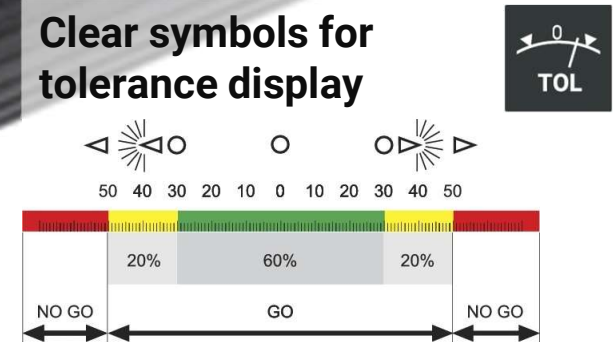
Digital inside micrometer Micromar 44 EWR(i)

Outstanding new features

Large high-contrast digits (10 mm)
Clear descriptions



Clear symbols for tolerance display



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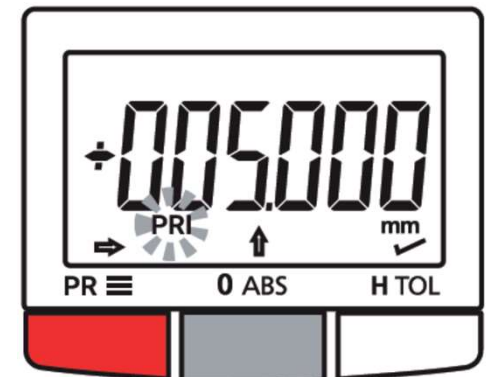
Digital inside micrometer Micromar 44 EWR(i)

Outstanding new features



Proven and **consistent operating concept**

- 3 buttons
- Direct measuring functions
- Intuitive menu settings



Digital inside micrometer Micromar 44 EWR(i)

3 PRESET-Values for quick change

General measuring

3 x Measuring heads 44 Ak

3 x PRESET \triangleq Nominal dimensions of adjusting rings



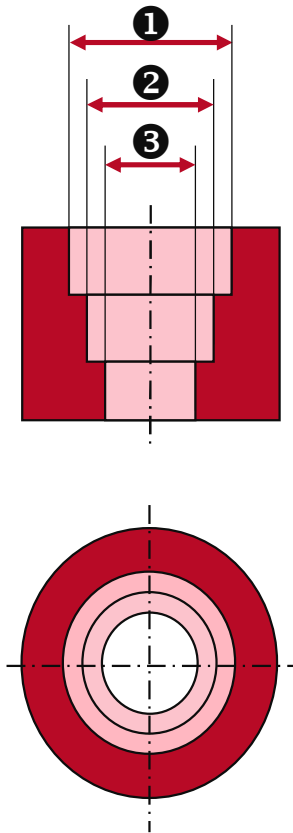
Tolerance check



1 x Measuring head 44 Ak

3 x PRESET \triangleq Nominal dimension of adjusting ring ①

3 x Tolerance value of bore \varnothing



NOTE:

The tolerances are always coupled to the respective PRESET

Digital inside micrometer Micromar 44 EWR(i)

3 PRESET-Values for quick change

General measuring

3 x Measuring heads 44 Ak

3 x PRESET \triangleq Nominal dimensions of adjusting rings

PRESET	TOL
① 40.000	①
② 16.000	②
③ 8.000	③

Tolerance check

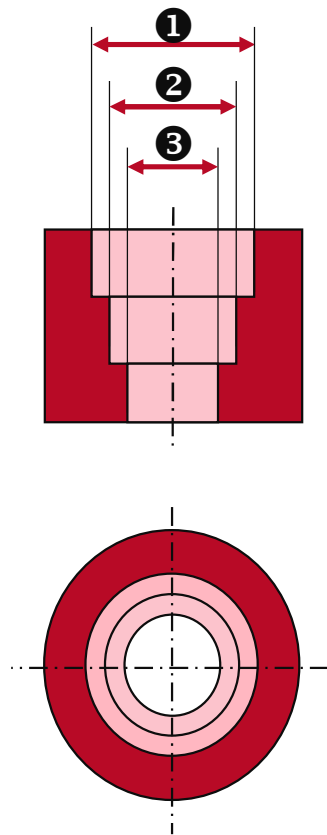


1 x Measuring head 44 Ak

3 x PRESET \triangleq Nominal dimension of adjusting ring ①

3 x Tolerance value of bore \emptyset

PRESET	TOL
① 40.000	① $\triangleright 40.0 \triangleleft 39.9$
② 40.000	② $\triangleright 35.0 \triangleleft 34.9$
③ 40.000	③ $\triangleright 30.0 \triangleleft 29.9$



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Basic units

3 Application ranges

For Measuring heads

- 6 – 20 mm
- Connection M5 x 0,5



For Measuring heads

- 20 – 100 mm
- 100 – 200 mm
- Connection M12 x 1



2 x Connection thread M3



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Digital inside micrometer Micromar 44 EWR(i)

Practical accessories - Not offered by competition!

Clamping plate 44 EWR-sp for micrometer holder 41 H

Application

- Serial testing at the measuring station
- More sensitive bore measurement, especially with light workpieces and small measuring heads
- The light workpiece centers itself on the measuring head



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Assortment 44 EWR and 44 EWRi



6-12 mm



20-50 mm

4 sets each



12-20 mm



50-100 mm