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# Micromar 844 EWR(i)

# Inside measuring instrument Micromar 844 EWR(i)

## Outstanding new features

- Improved measuring heads 44 Ak
- New operating concept with lever retraction
- Unique connectivity



- Ergonomic handle with
- rotatable touch display
- Proven operating concept

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# Inside measuring instrument Micromar 844 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

# Inside measuring instrument Micromar 844 EWR(i)

## Outstanding new features

### New operating concept with lever retraction

- Ergonomic handle
- Integrated measuring system
- Lever retraction over the full application range

### Lightweight: Handle and housing made of plastic

- for good handling and measuring feel
- improves the self-centering effect of the measuring heads



Older version



# Inside measuring instrument Micromar 844 EWR(i)

## Outstanding new features

Quick measurements with a simple movement



### Advantages compared to 3-point inside micrometer

- Operation with just one hand
  - Faster measurement results
- Insert, Release, Read out**  
=> No additional time required for ratchet operation



# Inside measuring instrument Micromar 844 EWR(i)

## Outstanding new features

Data transmission for all requirements



844 EWRi Integrated Wireless and cable interface



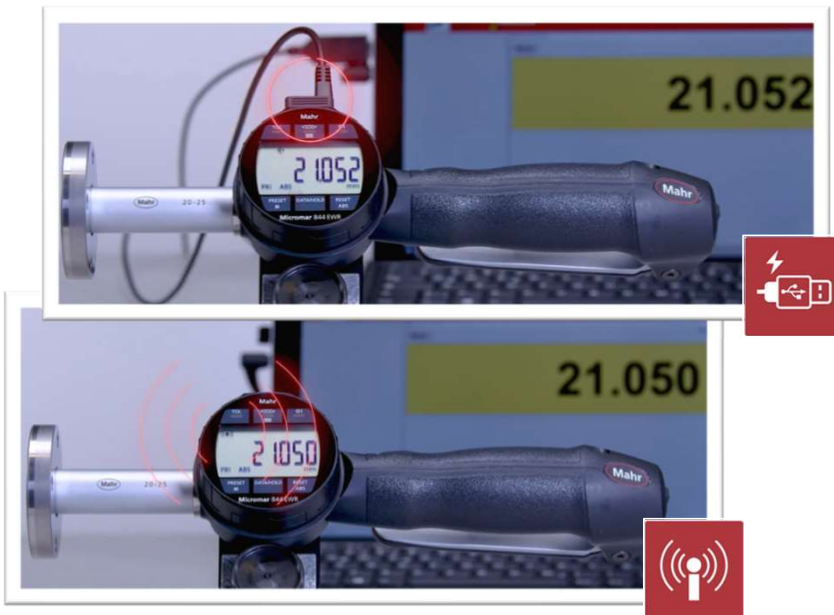
844 EWR with cable interface



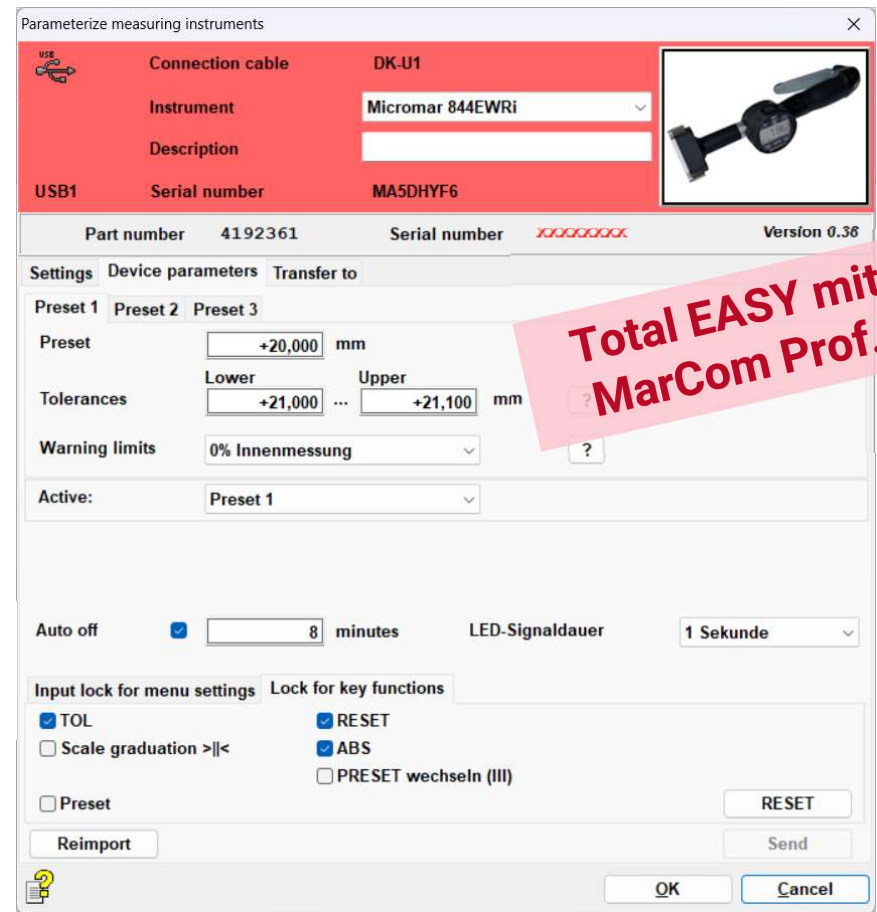
# Inside measuring instrument Micromar 844 EWR(i)

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

## Measured value transmission



Setting the device parameters, button and menu locks

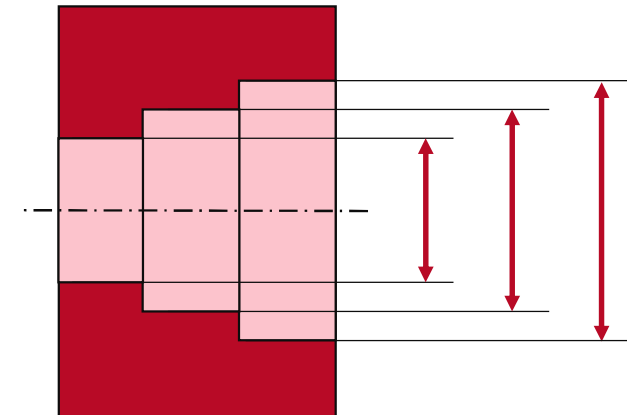


# Inside measuring instrument Micromar 844 EWR(i)

## Outstanding new features

### Retractable lever with practical benefits

- **Fast measurements with one hand movement**
- Lever travel over the full application range
- For small or limited measuring ranges, the stroke can be reduced by adjusting screw



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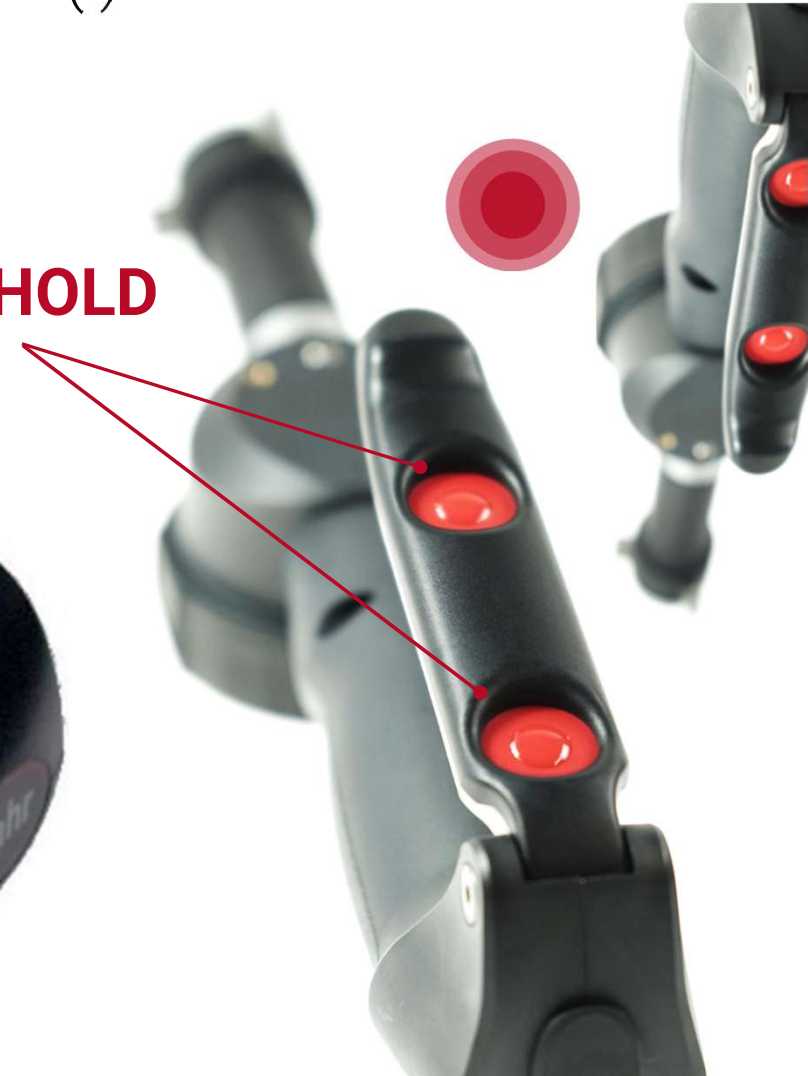
# Inside measuring instrument Micromar 844 EWR(i)

## Outstanding new features

### Retractable lever with practical benefits

- **Measure and record the value in one step**
- **Release ⇒ Press ⇒ Done**
- Whatever the position of the bore direction
  - All times ideal accessibility of a button

**DATA/HOLD**



# Inside measuring instrument Micromar 844 EWR(i)

## Outstanding new features



- High-contrast LCD with large digits (height 11,5 mm)
- Clear descriptions
- Rotatable display

# Inside measuring instrument Micromar 844 EWR(i)

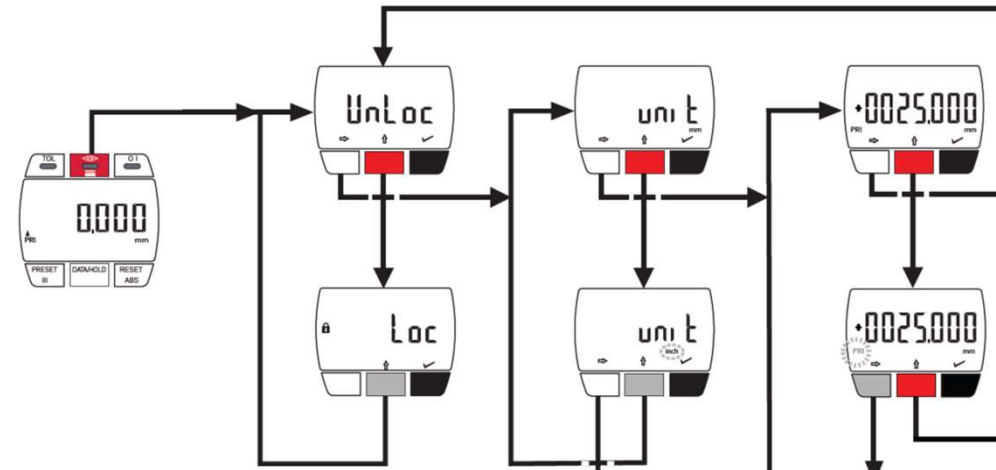
## Outstanding new features



### Proven and **consistent operating concept**

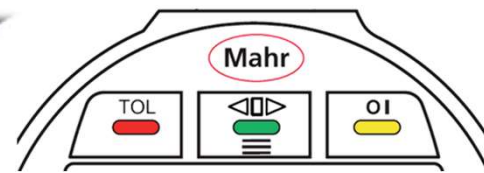
- Same operating concept as MarCator 1086 R(i)
- 6 touch control buttons
- Direct measuring functions
- Individual menu settings

**Intuitive  
Clear  
Simple**



# Inside measuring instrument Micromar 844 EWR(i)

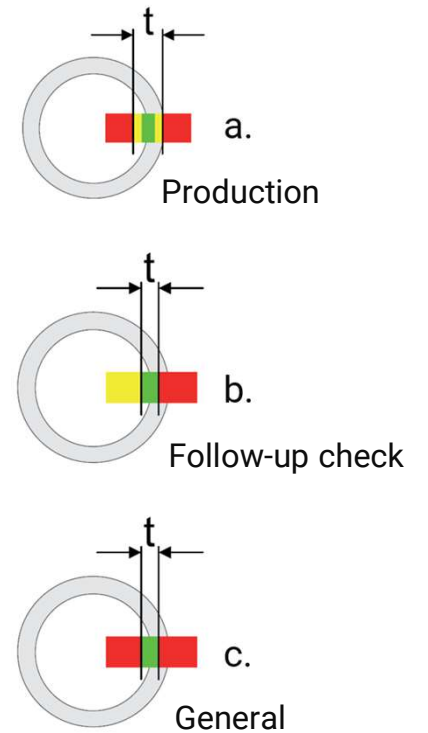
## Outstanding new features



### Tolerances clearly recognize!

- LED-Display
  - a. Go / No Go / Warning Limit
  - b. Go / No Go / Rework
  - c. Go / No Go

- Additional LCD symbols



# Inside measuring instrument Micromar 844 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



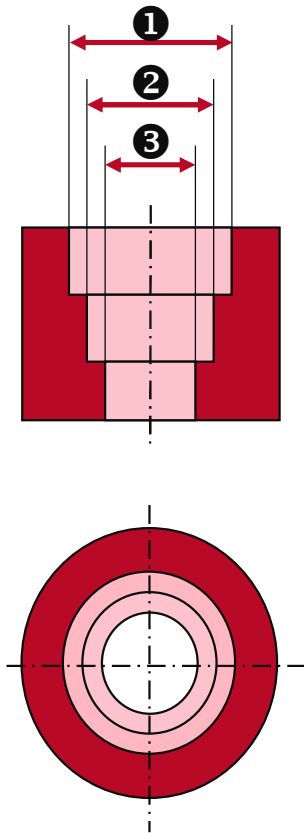
### Tolerance check



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

# Inside measuring instrument Micromar 844 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

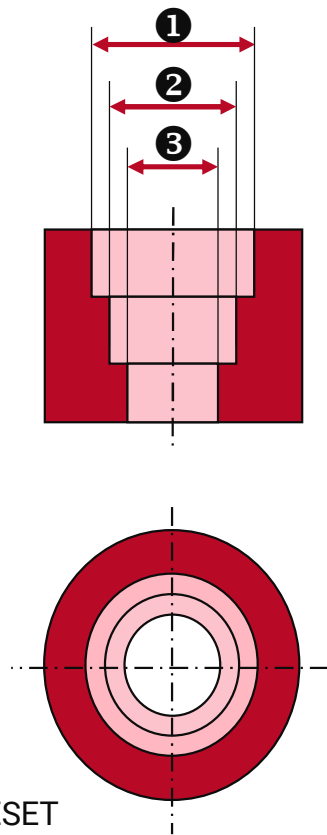


1 x Measuring head 44 Ak

3 x PRESET  $\triangleq$  Nominal dimension of adjusting ring ①

3 x Tolerance value of bore  $\varnothing$

| 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 $\triangleright 30.0 \triangleleft 29.9$ |



**NOTE:**

The tolerances are always coupled to the respective PRESET

# Inside measuring instrument Micromar 844 EWR(i)

## Basic units

### 2 Application ranges

#### For Measuring heads

- 6 – 20 mm
- Connection M5 x 0,5



#### For Measuring heads

- 20 – 100 mm
- Connection M12 x 1



2 x Connection thread M3



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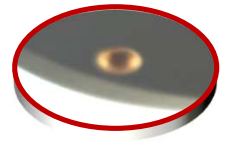
# Inside measuring instrument Micromar 844 EWR(i)

**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



# Inside measuring instrument Micromar 844 EWR(i)

## Assortment 844 EWR(i)



Single devices  
6 -100 mm



6-12 mm

4 sets each



20-50 mm



12-20 mm



50-100 mm