

## DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITH DATA OUTPUT)

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code **7315-**, **7302-**, **7305-**)



3102-25

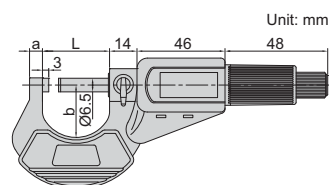
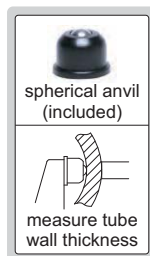


**INSPECTION  
CERTIFICATE**  
TRACEABLE TO DKD

DATA  
OUTPUT

| Code       | Range          | Accuracy | L   | a  | b    |
|------------|----------------|----------|-----|----|------|
| 3102-25 *  | 0-25mm/0-1"    | ±2µm     | 32  | 6  | 27.5 |
| 3102-50 *  | 25-50mm/1-2"   | ±2µm     | 57  | 8  | 37   |
| 3102-75 *  | 50-75mm/2-3"   | ±3µm     | 82  | 8  | 50   |
| 3102-100 * | 75-100mm/3-4"  | ±3µm     | 107 | 10 | 61   |
| 3102-125   | 100-125mm/4-5" | ±3µm     | 132 | 10 | 73   |
| 3102-150   | 125-150mm/5-6" | ±3µm     | 157 | 10 | 85   |
| 3102-175   | 150-175mm/6-7" | ±4µm     | 182 | 21 | 104  |
| 3102-200   | 175-200mm/7-8" | ±4µm     | 207 | 21 | 117  |

(mm)



Unit: mm



### Set

| Code         | Range        | Micrometers included                                    | Packaging       |
|--------------|--------------|---------------------------------------------------------|-----------------|
| 3102-753A *  | 0-75mm/0-3"  | 3102-25, 3102-50, 3102-75                               | blow mould case |
| 3102-1004A * | 0-100mm/0-4" | 3102-25, 3102-50, 3102-75, 3102-100                     | blow mould case |
| 3102-1506A   | 0-150mm/0-6" | 3102-25, 3102-50, 3102-75, 3102-100, 3102-125, 3102-150 | aluminum box    |



3102-753



3102-1506

\* Supplied with manufacturer inspection certificate traceable to DKD Germany

## OUTSIDE MICROMETERS WITH COUNTER

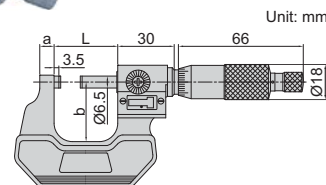
- Counter resolution: 0.01mm
- Thimble graduation: 0.01mm
- Carbide measuring faces
- Meet DIN 863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

| Code       | Range    | Accuracy | L     | a   | b      |
|------------|----------|----------|-------|-----|--------|
| 3400-25 *  | 0-25mm   | 4µm      | 32mm  | 6mm | 26mm   |
| 3400-50 *  | 25-50mm  | 4µm      | 57mm  | 8mm | 32mm   |
| 3400-75 *  | 50-75mm  | 5µm      | 82mm  | 8mm | 44.5mm |
| 3400-100 * | 75-100mm | 5µm      | 107mm | 8mm | 57mm   |

\* Supplied with manufacturer inspection certificate traceable to DKD Germany



3400-25



Unit: mm

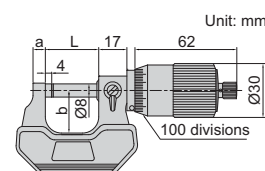
## QUICK FEEDING OUTSIDE MICROMETERS

- Graduation 0.01mm
- 1mm feeding of each turn
- Friction thimble
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)

| Code      | Range    | Accuracy | L     | a   | b    |
|-----------|----------|----------|-------|-----|------|
| 3208-25B  | 0-25mm   | 4µm      | 32mm  | 6mm | 24mm |
| 3208-50B  | 25-50mm  | 4µm      | 57mm  | 8mm | 32mm |
| 3208-75B  | 50-75mm  | 5µm      | 82mm  | 8mm | 45mm |
| 3208-100B | 75-100mm | 5µm      | 107mm | 8mm | 57mm |



3208-25B



Unit: mm

## OUTSIDE MICROMETERS

5



3203-25A



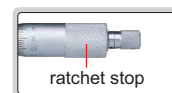
3203-50A



3203-1004A



3203-3006A



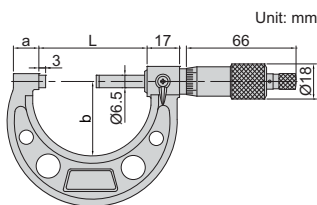
ratchet stop



friction thimble  
for one hand  
operation



- Graduation: metric 0.01mm  
inch 0.0001"
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm and 0-1")



### Metric (ratchet stop type)

| Code        | Range     | Accuracy | L     | a      | b     |
|-------------|-----------|----------|-------|--------|-------|
| 3203-25A *  | 0-25mm    | ±2µm     | 32mm  | 9mm    | 28mm  |
| 3203-50A *  | 25-50mm   | ±2µm     | 57mm  | 14mm   | 38mm  |
| 3203-75A *  | 50-75mm   | ±2µm     | 82mm  | 15mm   | 49mm  |
| 3203-100A * | 75-100mm  | ±3µm     | 107mm | 15mm   | 60mm  |
| 3203-125A   | 100-125mm | ±3µm     | 133mm | 16.5mm | 73mm  |
| 3203-150A   | 125-150mm | ±3µm     | 158mm | 16.5mm | 85mm  |
| 3203-175A   | 150-175mm | ±4µm     | 183mm | 19.4mm | 104mm |
| 3203-200A   | 175-200mm | ±4µm     | 209mm | 19.4mm | 117mm |
| 3203-225A   | 200-225mm | ±4µm     | 234mm | 19.4mm | 130mm |
| 3203-250A   | 225-250mm | ±5µm     | 260mm | 19.4mm | 142mm |
| 3203-275A   | 250-275mm | ±5µm     | 285mm | 19.4mm | 155mm |
| 3203-300A   | 275-300mm | ±5µm     | 310mm | 19.4mm | 168mm |

### Inch (ratchet stop type)

| Code      | Range  | Accuracy | L       | a     | b      |
|-----------|--------|----------|---------|-------|--------|
| 3203-1A * | 0-1"   | ±.0001"  | 1.260"  | .354" | 1.102" |
| 3203-2A * | 1-2"   | ±.0001"  | 2.244"  | .551" | 1.496" |
| 3203-3A * | 2-3"   | ±.0001"  | 3.228"  | .591" | 1.929" |
| 3203-4A * | 3-4"   | ±.00015" | 4.213"  | .591" | 2.362" |
| 3203-5A * | 4-5"   | ±.00015" | 5.236"  | .650" | 2.874" |
| 3203-6A * | 5-6"   | ±.00015" | 6.220"  | .650" | 3.346" |
| 3203-7A   | 6-7"   | ±.0002"  | 7.205"  | .764" | 4.094" |
| 3203-8A   | 7-8"   | ±.0002"  | 8.228"  | .764" | 4.606" |
| 3203-9A   | 8-9"   | ±.0002"  | 9.213"  | .764" | 5.118" |
| 3203-10A  | 9-10"  | ±.00025" | 10.236" | .764" | 5.591" |
| 3203-11A  | 10-11" | ±.00025" | 11.220" | .764" | 6.102" |
| 3203-12A  | 11-12" | ±.00025" | 12.205" | .764" | 6.614" |

### Metric micrometer set (ratchet stop type)

| Code         | Range     | Micrometers Included                                                                                                            | Packaging       |
|--------------|-----------|---------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 3203-753A *  | 0-75mm    | 3203-25A, 3203-50A, 3203-75A                                                                                                    | blow mould case |
| 3203-1004A * | 0-100mm   | 3203-25A, 3203-50A, 3203-75A, 3203-100A                                                                                         | blow mould case |
| 3203-1506A   | 0-150mm   | 3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A                                                                   | blow mould case |
| 3203-3006A   | 150-300mm | 3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A                                                                | aluminum box    |
| 3203-3012A   | 0-300mm   | 3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A, 3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A | aluminum box    |

### Inch micrometer set (ratchet stop type)

| Code       | Range | Micrometers included                                                                                          | Packaging       |
|------------|-------|---------------------------------------------------------------------------------------------------------------|-----------------|
| 3203-33A * | 0-3"  | 3203-1A, 3203-2A, 3203-3A                                                                                     | blow mould case |
| 3203-44A * | 0-4"  | 3203-1A, 3203-2A, 3203-3A, 3203-4A                                                                            | blow mould case |
| 3203-66A * | 0-6"  | 3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A                                                          | blow mould case |
| 3203-126A  | 6-12" | 3203-7A, 3203-8A, 3203-9A, 3203-10A, 3203-11A, 3203-12A                                                       | aluminum box    |
| 3203-1212A | 0-12" | 3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A, 3203-7A, 3203-8A, 3203-9A, 3203-10A, 3203-11A, 3203-12A | aluminum box    |

### Inch (friction thimble type)

| Code       | Range | Accuracy | L      | a     | b      |
|------------|-------|----------|--------|-------|--------|
| 3203-1FA * | 0-1"  | ±.0001"  | 1.260" | .354" | 1.102" |
| 3203-2FA * | 1-2"  | ±.0001"  | 2.244" | .551" | 1.496" |
| 3203-3FA * | 2-3"  | ±.0001"  | 2.244" | .591" | 1.929" |

\* Supplied with manufacturer inspection certificate traceable to DKD Germany or NIST USA

## OUTSIDE MICROMETERS

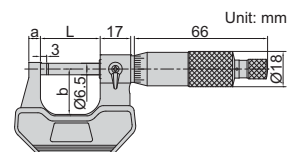
- Graduation 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)

| Code        | Range     | Accuracy | L   | a | b   |
|-------------|-----------|----------|-----|---|-----|
| 3202-25A *  | 0-25mm    | 4µm      | 32  | 6 | 24  |
| 3202-50A *  | 25-50mm   | 4µm      | 57  | 8 | 32  |
| 3202-75A *  | 50-75mm   | 5µm      | 82  | 8 | 45  |
| 3202-100A * | 75-100mm  | 5µm      | 107 | 8 | 57  |
| 3202-125A   | 100-125mm | 6µm      | 133 | 8 | 70  |
| 3202-150A   | 125-150mm | 6µm      | 125 | 8 | 82  |
| 3202-175A   | 150-175mm | 7µm      | 183 | 8 | 95  |
| 3202-200A   | 175-200mm | 7µm      | 209 | 8 | 107 |



3202-25A

**INSPECTION  
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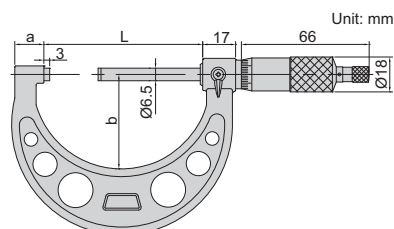
### Micrometer set

| Code         | Range   | Micrometers included                                          |
|--------------|---------|---------------------------------------------------------------|
| 3202-753A *  | 0-75mm  | 3202-25A, 3202-50A, 3202-75A                                  |
| 3202-1004A * | 0-100mm | 3202-25A, 3202-50A, 3202-75A, 3202-100A                       |
| 3202-1506A   | 0-150mm | 3202-25A, 3202-50A, 3202-75A, 3202-100A, 3202-125A, 3202-150A |

\* Supplied with manufacturer inspection certificate traceable to DKD Germany

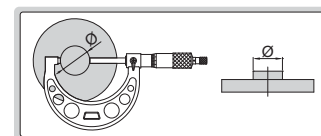
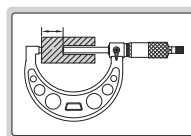
## LONG SPINDLE OUTSIDE MICROMETERS

- Graduation 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3209-25

| Code     | Range    | Accuracy | L     | a      | b    |
|----------|----------|----------|-------|--------|------|
| 3209-25  | 0-25mm   | 4µm      | 57mm  | 14mm   | 38mm |
| 3209-50  | 25-50mm  | 4µm      | 82mm  | 15mm   | 49mm |
| 3209-75  | 50-75mm  | 5µm      | 107mm | 15mm   | 60mm |
| 3209-100 | 75-100mm | 5µm      | 133mm | 16.5mm | 73mm |



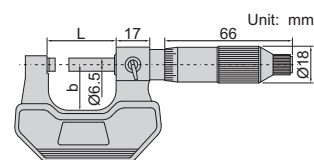
## NON MAGNETIC MICROMETERS

- Suitable for magnetic materials
- Graduation: 0.01mm
- Non magnetic carbide measuring faces
- Ratchet stop

| Code      | Range    | Accuracy | L     | b    |
|-----------|----------|----------|-------|------|
| 3231-25A  | 0-25mm   | 4µm      | 32mm  | 24mm |
| 3231-50A  | 25-50mm  | 4µm      | 57mm  | 32mm |
| 3231-75A  | 50-75mm  | 5µm      | 82mm  | 45mm |
| 3231-100A | 75-100mm | 5µm      | 105mm | 57mm |

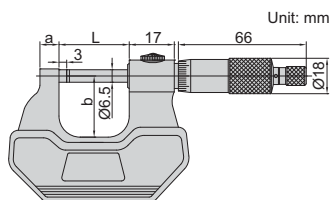


3231-25A



## OUTSIDE MICROMETERS FOR LEFT OR RIGHT HAND

- Graduation 0.01mm
- Graduations on two sides
- Ratchet stop
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)



| Code     | Range   | Accuracy | L  | a | b  |
|----------|---------|----------|----|---|----|
| 3236-25B | 0-25mm  | 4µm      | 32 | 6 | 24 |
| 3236-50B | 25-50mm | 4µm      | 57 | 8 | 32 |



front

back

3236-25B



- Graduation 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)

#### Ratchet stop type (mm)

| Code        | Range     | Accuracy | L   | a    | b   |
|-------------|-----------|----------|-----|------|-----|
| 3210-25A *  | 0-25mm    | 4μm      | 32  | 9    | 28  |
| 3210-50A *  | 25-50mm   | 4μm      | 57  | 14   | 38  |
| 3210-75A *  | 50-75mm   | 5μm      | 82  | 15   | 49  |
| 3210-100A * | 75-100mm  | 5μm      | 107 | 15   | 60  |
| 3210-125A   | 100-125mm | 6μm      | 133 | 16.5 | 73  |
| 3210-150A   | 125-150mm | 6μm      | 158 | 16.5 | 85  |
| 3210-175A   | 150-175mm | 7μm      | 183 | 19.4 | 104 |
| 3210-200A   | 175-200mm | 7μm      | 209 | 19.4 | 117 |

#### Friction thimble type (mm)

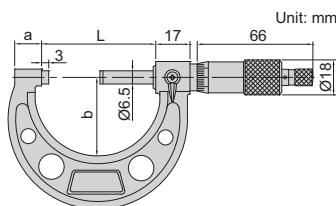
| Code        | Range   | Accuracy | L  | a  | b  |
|-------------|---------|----------|----|----|----|
| 3210-25FA * | 0-25mm  | 4μm      | 32 | 9  | 28 |
| 3210-50FA * | 25-50mm | 4μm      | 57 | 14 | 38 |

\*Supplied with manufacturer inspection certificate traceable to DKD Germany

## 1μm GRADUATION OUTSIDE MICROMETERS



3210-25A



#### Micrometer set (ratchet stop type)

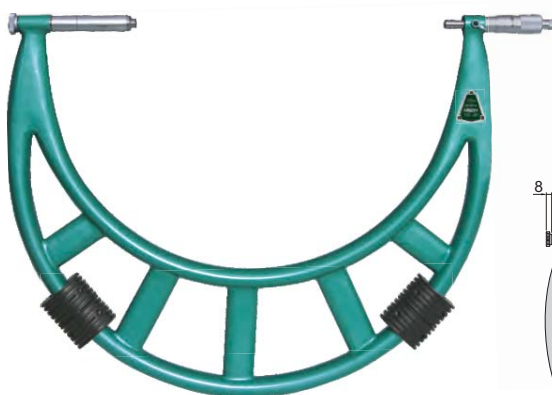
| Code         | Range   | Micrometers included                                          |
|--------------|---------|---------------------------------------------------------------|
| 3210-753A *  | 0-75mm  | 3210-25A, 3210-50A, 3210-75A                                  |
| 3210-1004A * | 0-100mm | 3210-25A, 3210-50A, 3210-75A, 3210-100A                       |
| 3210-1506A   | 0-150mm | 3210-25A, 3210-50A, 3210-75A, 3210-100A, 3210-125A, 3210-150A |

## OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

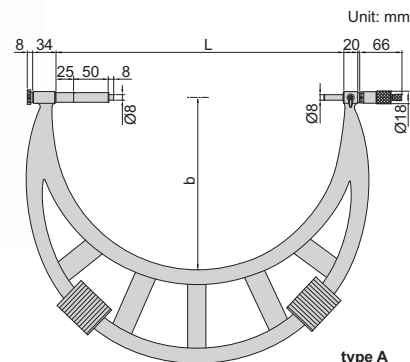


adjust collars for different measuring ranges

- Graduation 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



3205-400

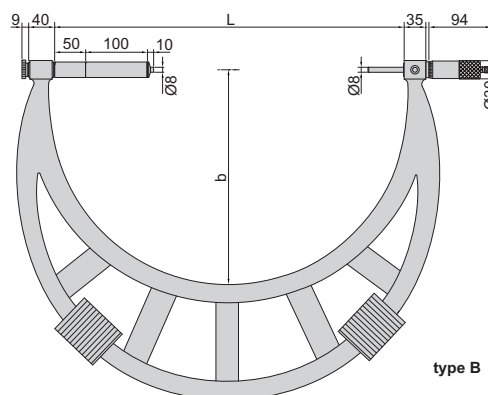


type A



(mm)

| Code      | Range       | Type | Accuracy | L    | b    | Setting standard (included) |
|-----------|-------------|------|----------|------|------|-----------------------------|
| 3205-400  | 300-400mm   | A    | 11μm     | 410  | 250  | 325, 375                    |
| 3205-500  | 400-500mm   | A    | 13μm     | 510  | 295  | 425, 475                    |
| 3205-600  | 500-600mm   | A    | 14μm     | 610  | 345  | 525, 575                    |
| 3205-700  | 600-700mm   | A    | 16μm     | 710  | 395  | 625, 675                    |
| 3205-800  | 700-800mm   | A    | 18μm     | 810  | 445  | 725, 775                    |
| 3205-900  | 800-900mm   | A    | 20μm     | 910  | 495  | 825, 875                    |
| 3205-1000 | 900-1000mm  | A    | 22μm     | 1010 | 545  | 925, 975                    |
| 3205-1200 | 1000-1200mm | B    | 22μm     | 1210 | 645  | 1050, 1150                  |
| 3205-1400 | 1200-1400mm | B    | 24μm     | 1410 | 745  | 1250, 1350                  |
| 3205-1600 | 1400-1600mm | B    | 28μm     | 1610 | 845  | 1450, 1550                  |
| 3205-1800 | 1600-1800mm | B    | 31μm     | 1810 | 945  | 1650, 1750                  |
| 3205-2000 | 1800-2000mm | B    | 34μm     | 2010 | 1045 | 1850, 1950                  |



type B