



Digital micrometer with non-rotating spindle, 30 mm measuring path Protection class IP65, Measuring range: 50-80mm



Order data

Order number	424935 50-80
GTIN	2050002078727
Item class	40N

Description

Description:

Resolution: < 0.0001 mm (< 0.1 μm), can be switched to 10 μm , 1 μm , 0.5 μm / 0.0005 inch, 0.00005 inch, 0.00002 inch.

Display: 12 mm LCD display.

Interface: Triple I (USB cable or wireless). Proximity (Sylvac).

Advantage:

- **Linear measuring system, directly within Abbe measuring axis.**
- **Reversible direction of measurement on the measuring system can be used flexibly.**
- **(Non-rotating) floating spindle for high repetition accuracy.**
- **Switchable resolution of 0.5 μm , 1 μm and 10 μm .**
- **Display can be pre-set using the spindle.**
- **Measuring range can be changed between metric mm / inch.**
- **Proximity (Sylvac) interface for data transmission to the measuring computer, wireless or cable.**
- **Pre-set value and tolerance value can be input and saved.**
- **Measuring faces made of carbide, optionally of CBN, to ensure high stability.**
- **Min. / max. value saved.**

Function:

IP65: Protected against jets of water from all directions and protected against penetration by dust (dust-tight), also completely protected against touching.

Application:

- **For high-precision measurements of round and long components.**
- **Varied measuring face geometries available.**
- **Workshops and in inspection rooms.**

Standard:DIN 863. **DAkKS-Kalibriert nach DIN EN ISO/IEC 17025:2018.****Optional extras:**

On request:

- **Wireless receiver IBRit-rf1-USB Steinmeyer No. 81 0000 000 11.**
- **Wireless transmitter IBRit-rf1-prox Steinmeyer No. 81 0000 000 22.**

Note:

The item already has DAkKS calibration to DIN EN ISO/IEC 17025:2018! Recalibrations are therefore no longer required.

Versions with modified measuring faces such as taper, disc, needle, cutting edges, convex, rollers etc. available on request.

Technical description

Article no of the battery / rechargeable battery fitted	081560 CR2032
Calibration	B1
Measuring range	50 - 80 mm
Scale divisions	0.0005 in
Scale divisions	0.00005 in
Scale divisions	0.00002 in
IP Index of Protection	IP 65
Flatness of measuring faces	< 0,3 µm
Battery type	Button cell
Parallelism of the measuring faces	0.6 µm
Gauging force	7 N
Power supply	Battery-powered
Error limit	3 µm
Number of batteries contained	1
Scale divisions	0.01 mm
Scale divisions	0.001 mm
Scale divisions	0.0005 mm
Spindle pitch	2 mm
Measuring face Ø	8 mm
Digit height LCD display	12 mm

Standard	DIN 863
Measurement technology	digital
Reversible reading	mm / inch
Type of product	External tube micrometer

Accessories

Button cell / special battery CR2032 Type CR2032	081644 CR2032
Button cell / special battery Battery type CR2032	081560 CR2032