

## MERKMALE

- Digitaler Edelstahl-Messschieber und elektronischer verchromter Mikrometersatz
- Zöllige und metrische Einheiten
- Messschieber-Kapazität von 150 mm (6 Zoll)
- Mikrometer Kapazität von 0 bis 25 mm (0 bis 0,98 Zoll)
- LCD-Anzeige
- Silberoxid-Akku SR44 im Lieferumfang enthalten
- Abschließbarer, mit Schaumstoff ausgekleideter Aufbewahrungskoffer
- Messschieber-Genauigkeit von  $\pm 0,03$  mm (0,0015 Zoll)
- Mikrometer Genauigkeit von  $\pm 0,02$  mm (0,001 Zoll)
- Auflösung von 0,01 mm (0,0005 Zoll)

# Digitaler Messschieber und Mikrometer RS PRO, 150 mm, metrisch und zöllig

RS Best.-Nr. 841-2521



Professionelle Produkte von RS bieten Ihnen hochwertige Teile in allen Produktkategorien. Unsere Produktpalette wurde von Ingenieuren getestet und bietet eine vergleichbare Qualität wie die führenden Marken, ohne einen Premium-Preis zu zahlen.

## Produktbeschreibung

Mit diesem digitalen Messschieber und elektronischen Mikrometersatz können Sie Objekte und Entfernungen in einer Vielzahl von Situationen messen. Für Komfort und Vielseitigkeit ist es sowohl in zölligen als auch in metrischen Einheiten erhältlich. Ein handliches Gehäuse sorgt für Sicherheit und ist tragbar.

Sowohl der Messschieber als auch das Mikrometer verfügen über ein klares, gut ablesbares LCD-Display, das jeweils mit einer einzigen Silberoxid-Batterie betrieben wird. Sie sind für Langlebigkeit und Widerstandsfähigkeit ausgelegt. Der Rahmen und die Backen des Messschiebers bestehen aus gehärtetem Edelstahl, während das Mikrometer mit Wolfram-Karbid-Ambossen verchromt ist. Die kompakte Tragetasche für diesen Satz ist abschließbar und mit Schaumstoff gefüttert, um Schutz und Sicherheit zu gewährleisten.

## Allgemeine Spezifikationen

<b>Messschieber-Typ</b>	Digital
<b>Zöllig oder metrisch</b>	Beides
<b>Anzeigetyp</b>	Digital
<b>Genauigkeit</b>	0,4 mm, Mikrometer $\pm 0,02$ mm (0,001 Zoll)
<b>Auflösung</b>	0,01mm
<b>Wiederholbarkeit</b>	0,01 mm (0,0005 Zoll), Mikrometer 0,001 mm (0,00005 Zoll)
<b>Art des Messschiebers</b>	Standardausführung
<b>Satz enthält:</b>	1 x elektronischer Messschieber: 150 mm / 6 Zoll 1 x elektronisches Mikrometer: 0 mm - 25 mm / 0 Zoll - 1 Zoll
<b>Anwendungen</b>	Fertigungs- und Werkstattumgebungen und ist ideal für Holzbearbeitungsanwendungen

## Elektrische Spezifikationen

<b>Leistung</b>	Silberoxid SR44
<b>Batterie</b>	Ja
<b>Batterietyp</b>	SR44

### Mechanische Spezifikationen

<b>Kapazität</b>	150mm
<b>Länge der externen Stichsäge</b>	40mm
<b>Länge der inneren Stichsäge</b>	18mm
<b>Metrische Maßen</b>	0,02mm
<b>Genauigkeit der externen Backen</b>	±0.04mm
<b>Genauigkeit interner Backen und Tiefenstange</b>	±0.04mm

### Betriebsumgebungsspezifikationen

<b>Betriebstemperatur</b>	0 °C bis 40 °C (Mircometer)
<b>Lagertemperatur</b>	-20 °C bis 60 °C (Mircometer)

### Schutzkategorie

<b>IP-Schutzart</b>	IP54
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## Electronic Caliper

	<ul style="list-style-type: none"> <li>Hardened stainless steel frame and measuring jaws</li> <li>Thumbroll adjustment</li> <li>Knurled locking screw</li> <li>Depth rod</li> <li>Clear LCD Display</li> <li>Large 11mm digits</li> <li>Inch/Metric conversion</li> <li>Origin setting</li> <li>Resolution: 0.01mm / 0.0005"</li> <li>Repeatability: 0.01mm / 0.0005"</li> <li>4 Way measurement:</li> <li>Individual serial numbers</li> <li>Power: 1 x Silver oxide battery SR44 - 1.55v</li> <li>Operating temperature: 5 - 40°C</li> <li>Relative humidity: Maximum 80%</li> <li>Warranty: 1 year</li> </ul>
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	<ul style="list-style-type: none"> <li>1 Metric/ Inch Conversion Button</li> <li>2 Knurled Locking Screw</li> <li>3 LCD Display</li> <li>4 Depth Measuring Blade</li> <li>5 Caliper Beam</li> <li>6 Thumbroll Fine Adjustment</li> <li>7 Battery Cover</li> <li>8 Zero Set Button</li> <li>9 Power Button ON/OFF</li> <li>10 External Measuring Jaws</li> <li>11 Step Measuring Faces</li> <li>12 Internal Measuring Jaws</li> </ul>
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Code	Range	Resolution	Repeatability	Accuracy	Ext. Jaw Length	Int. Jaw Length
8412518	150mm / 6"	0.01mm / 0.0005"	0.01mm / 0.0005"	±0.03mm	40mm	18mm

## Electronic Caliper

### OPERATING INSTRUCTIONS

When using the Caliper for the first time or after a period of non-use, wipe the beam scale with a dry clean cloth to remove any condensation or oil deposits.

Prior to setting the caliper for measuring, first clean the measuring faces with a soft clean cloth or paper.

Switch Caliper ON

Move Caliper jaws together.

Select required measuring mode Inch / Metric.

Zero display, caliper is now ready for direct measurement.

Caliper can be zeroed at any position within its range, to provide relative measurements.

Caliper provides 4 way measurements, External, Internal, Step and Depth.

**OPERATING CARE**

- Clean measuring faces with dry soft cloth
- Keep away from strong magnetic fields
- Prevent ingress of oil / liquids into electronics
- Remove battery if instrument is not used for a long period of time
- Do not disassemble or drop the instrument

**Do not mark instrument by engraving, etching or any other permanent marking method, as this will invalidate the warranty**

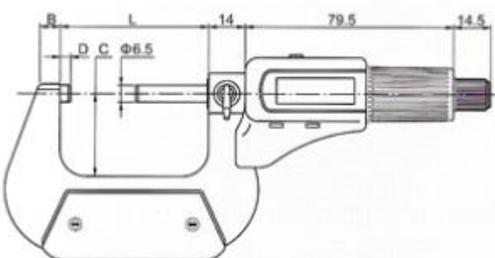
**FAULT FINDING**

Fault	Cause	Action
Display flashes	Battery voltage below 1.45volts	Replace battery
Display frozen	Circuit overload	Remove battery and replace after 4 minutes
Accuracy below specification but within +/- 0.1mm	Dirt in sensor	Remove slider cover assembly, clean face of sensor with dry clean compressed air (5kg/cm2)
No display	Poor battery contact Dead battery	Remove battery and carefully adjust battery contacts, replace battery. Replace battery.

**Electronic Micrometer**

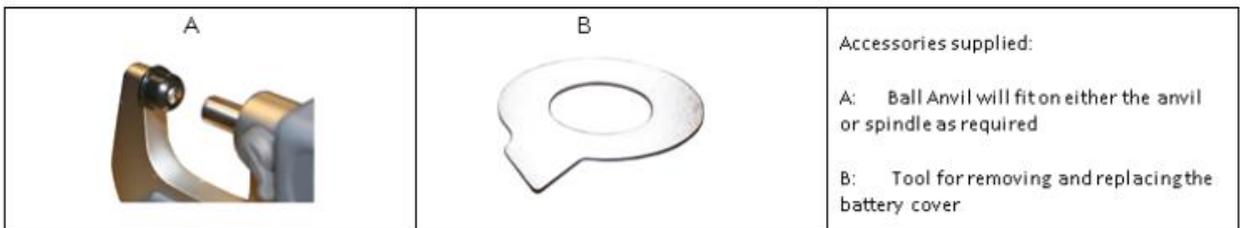
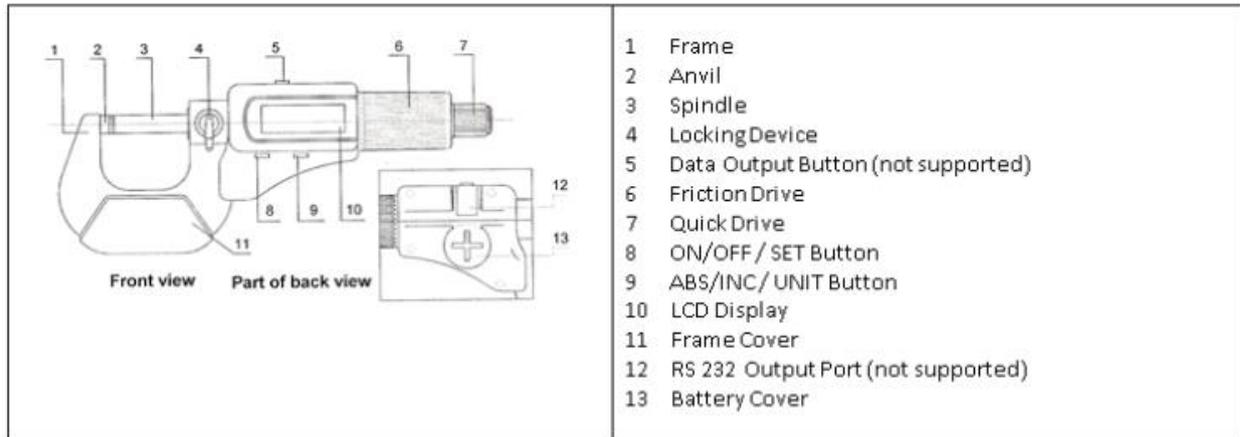


Protection: IP 54 Splash Proof  
 DIN 863/1  
 Clear LCD Display  
 Metric/Inch Conversion  
 Relative & Absolute Modes  
 Resolution 0.001mm/0.00005"  
 Tungsten Carbide Anvils  
 Auto Power Off after 5 minutes  
 Friction Thimble  
 Spindle Lock Lever  
 Plastic Heat Guard  
 Chrome Plated Frame  
 Supplied with Ball Anvil Attachment  
 Supplied in fitted case

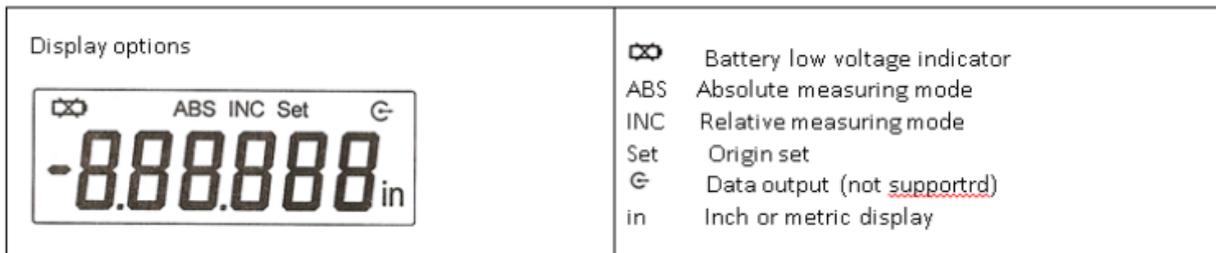


Range mm/Inch	C mm	L mm	B mm	D mm	Accy. mm
0-25/0-1"	24	32	6	3	0.002

Repeatability: 0.001mm  
 Measuring force: 5 – 10N  
 Operating temperature; 0 to 40° C  
 Relative humidity: Maximum 80%  
 Power: 1 x SR44: 1.5V battery



### Electronic Micrometer



### Setting and Use Instructions

Clean micrometer spindle and measuring anvils with soft cloth or paper to remove any oil or particles which may affect the measurements

Ensure that the micrometer is thermally stabilised with the temperature where it is to be used

Ensure that the spindle lock is off

### Absolute Measurement

Press and release the ON/OFF / SET button to power up the micrometer. (ABS will show on the display)

Choose either inch or metric measuring system by pressing the ABS/INC / UNIT button for 2 seconds (mm or in will show on the display)

Advance the spindle towards the fixed anvil. Use the friction thimble to finally close the 2 anvils together. Rotate the thimble 1 ½ to 2 revolutions to exert a constant measuring force

To zero the micrometer in this position press and hold the ON/OFF / SET button for 2 seconds

The micrometer is now ready to use in Absolute mode

## Relative Measurement

Press and release the ON/OFF / SET button to power up the micrometer. (ABS will show on the display)  
 Seat the micrometer anvil and spindle across the desired setting piece using the friction thimble  
 Press and release the ASBS/INC / UNIT button (INC will show on the display) and the display will show zero  
 The micrometer is now ready to take measurements and will indicate either + or – variations from the original setting piece size

## Operating Care

Clean measuring faces with a clean soft cloth only  
 Do not use any organic solvent for cleaning such as acetone etc.  
 Keep instrument away from strong magnetic fields and high voltage environments which can affect the correct working of the electronic pack

Prevent the ingress of oil and liquids into the electronics  
 Do not use or store the micrometer in direct sunlight, or in an excessively hot or cold environment  
 The Instrument can be turned on by either using the ON/OFF button or simply by turning the thimble  
 To conserve the battery the instrument should be turned off using the ON/OFF button or it will turn off automatically after 5 minutes of non use  
 Remove battery if the instrument is not to be used for a long period of time  
 Do not disassemble or drop the instrument

## Electronic Micrometer

### Specifications:

Measuring Force: 5 – 10N  
 Power Consumption: Greater than 35 milliamps  
 Operating Temperature: 0 – 40 deg.C  
 Storage Temperature: -20 to 60 deg. C  
 Protection Class: IP54 (resistant to water splash)

### Fault Finding

Failure	Causes	Remedy
Display: "E 1"	Measured value is over display range	Reset the origin or change to relative mode
Display: "E 3"	1 The micrometer is disturbed 2 Something wrong with sensor	1 Reset the battery 2 return the micrometer for repair
Measured value is not correct	1 Measuring surfaces are not clean 2 The origin is incorrect	1 Clean measuring surfaces 2 Reset the origin
Display is confused or dead	Strong disturbance to micrometer	Reset battery
No display Display is blurring Battery sign appears	Battery voltage below 1.45V	Replace battery