

Digital Micrometer 40 EX with Data Output

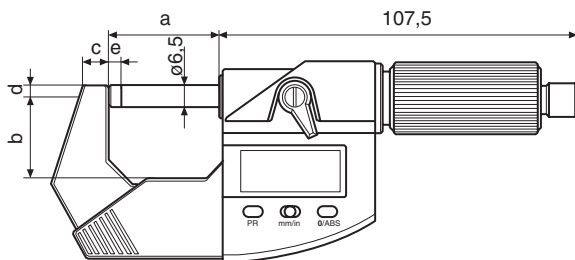


Features

- Functions:**
- 0 (Zero setting)
 - ABS (Switching between Relative and Absolute measurement)
 - mm/inch
 - PRESET (enter a numerical value)
 - DATA (Data transmission via connection cable)
- Capacitive measuring system, life of battery approx. 2 years
 - Data output: Opto RS232C or alternatively Digimatic
 - High contrast LCD with 7.5 mm high digits
 - Lacquered steel frame, heat insulated
 - Spindle and anvil are carbide tipped
 - Spindle is made of stainless steel, hardened throughout and ground
 - Ratchet is integrated in the thimble
 - Rapid drive
 - Scope of supply: Case, battery, operating instructions

Technical Data

Measuring range		Resolution	Error limit	Spindle thread pitch	Order no.
mm	(inch)	mm/inch	G μm	mm	
0 - 25	(0-1")	0.001/ .00005"	4	0.635	4150570
25 - 50	(1-2")	0.001/ .00005"	4	0.635	4150571
50 - 75	(2-3")	0.001/ .00005"	5	0.635	4150572
75 - 100	(3-4")	0.001/ .00005"	5	0.635	4150573



Accessories

	Order no.
Battery 3V, Type CR 2032	4102520
Data Connection Cable Opto RS232C (2 m), with SUB-D jack 9-pin	16 EXr 4102410
Data Connection Cable Digimatic (2 m), Flat plug 10-pin	16 EXd 4102411

Dimensions

mm	a	b	c	d	e
0 - 25 mm / 0-1"	31.5	24	6.5	4.5	3.5
25 - 50 mm / 1-2"	56.6	31.5	10	4.5	3.5
50 - 75 mm / 2-3"	82.5	44	10	4.5	3.5
75 - 100 mm / 3-4"	107.5	56.5	10	4.5	3.5

Digital Micrometer Set 40 EXS

Application range	Order no.	Remarks
0 - 100 mm (0 - 4")	4150590	Includes: wooden case, setting standards 25 mm, 50 mm and 75 mm



Accessories for Data Processing see Chapter 11

Accessories for Micrometers



41 H

Stand 41 H

- For mounting a micrometer
- Enables the user to use both hands to operate the micrometer and/or to insert a work piece
- Sturdy, heavy-duty base, hammer-dimple enamel
- Clamping jaws are rubber lined to protect micrometer, the clamping jaws can be tilted
- Both the clamping jaws and hinge are fixed in place with one screw

Dimensions
(D x W x H)

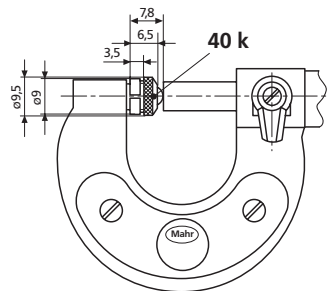
130 x 100 x 90 mm

Order no.

4158000

Ball shaped Anvil Attachment 40 k

- For measuring the thickness, for example: of pipe walls
- Slips over every anvil or the spindle with a dia. 7.5 mm
- Carbide ball, Ball dia. 5 ± 0.002 mm



40 k

Order no. 4130099

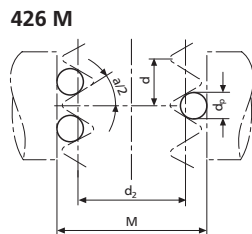
Setting Standards 43 A

- For testing the basic setting of a micrometer
- Heat insulated handle
- Manufacturing tolerance js 2



Thread Pin Gage 426 M in holder

- For determining the pitch diameter of external threads according to the three wire method
- Slips over every anvil or the spindle
- Pin gages are hardened and lapped



426 M

Length
mm

Order no.

Length
inch

Order no.

25	4159400	1"	4159940
50	4159401	2"	4159941
75	4159402	3"	4159942
100	4159403	4"	4159943
125	4159404	5"	4159944
150	4159405	6"	4159945
175	4159406	7"	4159946

Wooden Cases for Micrometer

For measuring ranges over 100 mm the following wooden cases are available:

	40 SH	40 SM	Order no.
Meas. range	100-125	95-120	4130064
mm	125-150	120-145	4130065
	150-175	145-170	4130066
	175-200	170-195	4130067

Pin gage dia. **Manufacturing tol.** **Mounting hole**

0.17 - 5.05 mm $\pm 0.5 \mu\text{m}$ $\varnothing 7.5 \text{ mm}^*$

** $\varnothing 6.35/6.5/8 \text{ mm}$ are available on request*

Order no. and further details see page 13-18