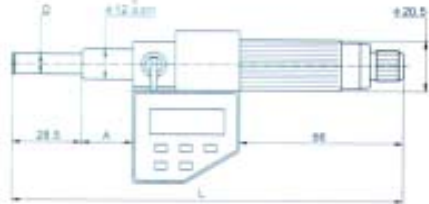




MICROMETER HEADS

5-Key Electronic Micrometer Head



- Resolution: 0.00005"/0.001mm
- Positive-designed electronic micrometer head.
- Large and clear LCD.
- Inch/Metric conversion (0.00005"/0.001mm).
- Absolute and incremental conversion.
- Automatic switch off.
- Friction thimble (Ratchet friction thimble available).
- Data hold and Tolerance set.
- SPC output.

Range	Install dimension	Total length	Flat end Model No.	Spherical end Model No.
0-1"/0-25mm	12x17mm	154mm	601-9785	601-9783
0-1"/0-25mm	12x20mm	157mm	601-9786	601-9784

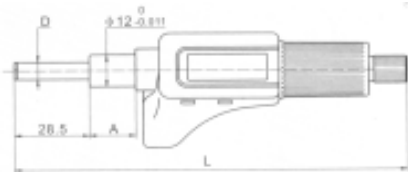
3-Key Electronic Micrometer Head IP54



- Protection level: IP54. Criterion: DIN863/1, DIN40050/IEC529.
- RS232 data output. Connecting cable: P1102 (Optional).
- Ratchet stop (friction thimble and ratchet friction thimble available).
- Resolution: 0.001mm/0.00005"

Range	with Metric Micrometer Head		With Inch Micrometer Head	
	Flat end Model No.	Spherical end Model No.	Flat end Model No.	Spherical end Model No.
0-25mm/0-1"	601-9811	601-9812	601-9813	601-9814
0-50mm/0-2"	601-9821	601-9822	601-9823	601-9824

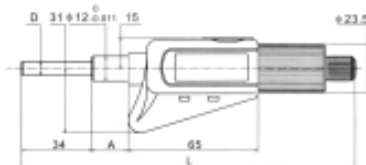
2-Key Electronic Micrometer Head IP54



- Protection level : IP54. Criterion: DIN863/1,DIN40050/IEC529
- Function: Power switch;Origin data set;Metric-inch conversion; Absolute and incremental measurement conversion;Data output
- RS232 data output.Connecting cable: P1101 (optional)
- Friction thimble (ratchet stop and ratchet friction thimble available)
- Resolution: 0.001mm/0.00005"

Range	A	D	L	Flat End Model No.	Spherical End Model No.
0-25mm/0-1"	17.5	6.5	149.5	600-9831	600-9833
0-25mm/0-1"	20.5	8	152.5	600-9832	600-9834

Double Display Electronic Micrometer Head IP54



- Protection level : IP54. Criterion: DIN863/1,DIN40050/IEC529
- Double display,LCD direction can be changed by key
- Function: Power switch;Origin data set;Metric-inch conversion; Absolute and incremental measurement conversion; LCD direction changed
- RS232 data output.Connecting cable: P1101 (optional)
- Friction thimble (ratchet stop and ratchet friction thimble available)
- Resolution: 0.001mm/0.00005"

Range	A	D	L	Flat End Model No.	Spherical End Model No.
0-30mm/0-1.2"	17.5	6.5	161	601-9841	601-9843
0-30mm/0-1.2"	20.5	8	164	601-9842	601-9844

4 kinds measuring conditions

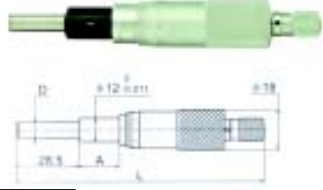




Measuring Tools

MICROMETER HEADS Continued

Ratchet Stop Micrometer Heads



- Carbide measuring faces, Flat/Spherical face
- Laser engraved graduations.
- Flat or spherical measuring face.

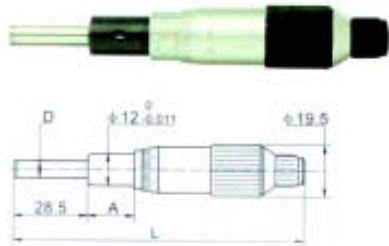
Metric

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End Model No.	Spherical End Model No.
0-25mm	0.01mm	11x16mm	110mm	6.5mm	601-9524	601-9534
0-25mm	0.002mm	11x16mm	110mm	6.5mm	601-9525	601-9535
0-25mm	0.01mm	12x17mm	113mm	6.5mm	601-9526	601-9536
0-25mm	0.002mm	12x17mm	113mm	6.5mm	601-9527	601-9537
0-25mm	0.01mm	12x20mm	116mm	6.5mm	601-9528	601-9538
0-25mm	0.002mm	12x20mm	116mm	6.5mm	601-9529	601-9539

Inch

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End Model No.	Spherical End Model No.
0-1"	0.001"	11x16mm	110mm	6.5mm	601-9501	601-9541
0-1"	0.0001"	11x16mm	110mm	6.5mm	601-9502	601-9542
0-1"	0.001"	12x17mm	113mm	6.5mm	601-9503	601-9543
0-1"	0.0001"	12x17mm	113mm	6.5mm	601-9504	601-9544
0-1"	0.001"	12x20mm	116mm	6.5mm	601-9505	601-9545
0-1"	0.0001"	12x20mm	116mm	6.5mm	601-9506	601-9546

Ratchet Friction Thimble Micrometer Heads



- Carbide measuring faces, Flat/Spherical face
- Laser engraved graduations.
- Flat or spherical measuring faces.

Metric

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End Model No.	Spherical End Model No.
0-25mm	0.01mm	11x16mm	110mm	6.5mm	601-9522	601-9532
0-25mm	0.002mm	11x16mm	110mm	6.5mm	601-9523	601-9533

Inch

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End Model No.	Spherical End Model No.
0-1"	0.001"	11x16mm	110mm	6.5mm	601-9507	601-9547
0-1"	0.0001"	11x16mm	110mm	6.5mm	601-9508	601-9548

Read Out Micrometer Heads



- Direct digital reading.
- Carbide measuring faces.

Range	Graduation	Model No.
0-1"	0.00005"	600-7951
0-25mm	0.001mm	600-7925

Mini-Micrometer Heads



0-5mm(0-0.2")



0-6.5mm(0-0.25")

- Carbide measuring faces, Flat/Spherical face
- Laser engraved graduations.
- Flat or spherical measuring faces.



0-13mm(0-0.5")



0-15mm(0-0.6")

Metric

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End Model No.	Spherical End Model No.
0-5mm	0.01mm	3.5x5mm	32mm	2mm	601-9105	601-9106
0-6.5mm	0.01mm	6x6mm	37mm	3.5mm	601-9165	601-9166
0-13mm	0.01mm	9.5x9.5mm	58.5mm	5mm	601-9113	601-9114
0-15mm	0.01mm	9.5x9.5mm	61mm	5mm	601-9115	601-9116

Inch

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End Model No.	Spherical End Model No.
0-0.2"	0.001"	3.5x5mm	32mm	2mm	601-9120	601-9121
0-0.25"	0.001"	6x6mm	37mm	3.5mm	601-9125	601-9126
0-0.5"	0.001"	9.5x9.5mm	58.5mm	5mm	601-9150	601-9151
0-0.6"	0.001"	9.5x9.5mm	61mm	5mm	601-9160	601-9161



MICROMETER HEADS Continued

Quick Feeding Micrometer Heads

Ratchet Stop

- Carbide measuring faces
- Laser engraved graduations.
- Flat or spherical measuring faces.



Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End	Spherical End
					Model No.	Model No.
0-1"	0.0005"	12x17mm	115mm	8mm	601-9601	601-9603
0-2"	0.0005"	22x35mm	183mm	8mm	601-9602	601-9604
0-25mm	0.01mm	12x17mm	115mm	8mm	601-9605	601-9607
0-50mm	0.01mm	22x35mm	183mm	8mm	601-9606	601-9608

Quick Feeding Micrometer Heads

Ratchet Friction Thimble

- Carbide measuring faces
- Laser engraved graduations.



- Flat or spherical measuring faces.

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End	Spherical End
					Model No.	Model No.
0-1"	0.0005"	12x17mm	115mm	8mm	601-9611	601-9613
0-2"	0.0005"	22x35mm	183mm	8mm	601-9612	601-9614
0-25mm	0.01mm	12x17mm	115mm	8mm	601-9615	601-9617
0-50mm	0.01mm	22x35mm	183mm	8mm	601-9616	601-9618

Non-Rotating Spindle Micrometer Heads

Ratchet Stop



- Flat or spherical measuring faces.
- Carbide measuring faces
- Laser engraved graduations.

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End	Spherical End
					Model No.	Model No.
0-1"	0.001"	12x10mm	113mm	8mm	601-9621	601-9623
0-1"	0.0001"	12x10mm	113mm	8mm	601-9622	601-9624
0-25mm	0.01mm	12x10mm	113mm	8mm	601-9625	601-9627
0-25mm	0.002mm	12x10mm	113mm	8mm	601-9626	601-9628

Non-Rotating Spindle Micrometer Heads

Ratchet Friction Thimble



- Flat or spherical measuring faces.
- Carbide measuring faces
- Laser engraved graduations.

Range	Graduation	Install Dimension	Total Length	Spindle Diameter	Flat End	Spherical End
					Model No.	Model No.
0-1"	0.001"	12x10mm	113mm	8mm	601-9631	601-9633
0-1"	0.0001"	12x10mm	113mm	8mm	601-9632	601-9634
0-25mm	0.01mm	12x10mm	113mm	8mm	601-9635	601-9637
0-25mm	0.002mm	12x10mm	113mm	8mm	601-9636	601-9638

Parallax Free Micrometer Heads

Ratchet Stop



- Laser engraved graduations.
- Flat or spherical measuring faces.

- Carbide measuring faces

Range	Graduation	Install Dimension	Total Length	Flat End	Spherical End
				Model No.	Model No.
0-1"	0.0001"	12x17mm	113mm	601-9746	601-9748
0-25mm	0.001mm	12x17mm	113mm	601-9745	601-9747

Parallax Free Micrometer Heads

Ratchet Friction Thimble



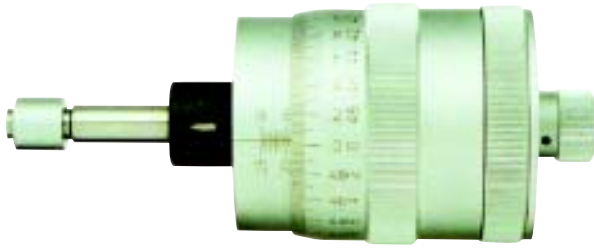
- Laser engraved graduations.
- Flat or spherical measuring faces.

- Carbide measuring faces

Range	Graduation	Install Dimension	Total Length	Flat End	Spherical End
				Model No.	Model No.
0-1"	0.0001"	12x17mm	110mm	601-9756	601-9758
0-25mm	0.001mm	12x17mm	110mm	601-9755	601-9757



Measuring Tools



**Non-Rotating Device
&
Bidirectional Graduation
Model**

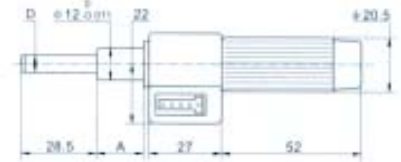
MICROMETER HEADS Continued

Fine Reading Micrometer Heads

- The large diameter thimble(49mm) provide high resolution measurement.
- Floating Thimble(graduation) can be adjusted with the spindle clamped, allowing zero setting at any spindle position.
- Bidirectional graduation has different fonts for easy reading in both direction.
- No-rotating device can be attached to the spindle tip.
- Carbide Measuring faces(spherical measuring face available). Spindle diameter:8mm.

Range	Grad.	Install Dimension	Total Length	Basic Model No.	Bidirectional Graduation Model No.	Non-Rotating Device Model No.	Non-Rotating Device & Bidirectional Graduation Model No.
0-1"	0.0001"	18x14mm	119mm	601-9701	601-9711	601-9721	601-9731
0-2"	0.0001"	18x14mm	148mm	601-9702	601-9712	601-9722	601-9732
0-25mm	0.002mm	18x14mm	119mm	601-9705	601-9715	601-9725	601-9735
0-50mm	0.002mm	18x14mm	148mm	601-9706	601-9716	601-9726	601-9736

μ-Digit Counter Micrometer Head



- Friction thimble (ratchet friction thimble available)
- High resolution mechanical digit counter for easiest and exact reading.

Metric

Range	Graduation	A	D	Flat End Model No.	Spherical End Model No.
0-25mm	0.001mm	17.5mm	φ6.5mm	601-9851	601-9853
0-25mm	0.001mm	20.5mm	φ8.0mm	601-9852	601-9854

Inch

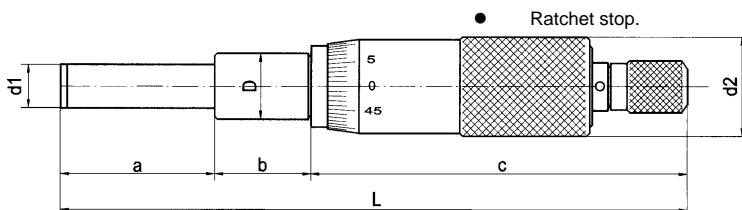
Range	Graduation	A	D	Flat End Model No.	Spherical End Model No.
0-1"	0.0001"	17.5mm	φ6.5mm	601-9861	601-9863
0-1"	0.0001"	20.5mm	φ8.0mm	601-9862	601-9864

Digital Counter Micrometer Head

Range	Graduation	Install Dimension	Ratchet Stop		Ratchet Friction Thimble	
			Flat End Model No.	Spherical End Model No.	Flat End Model No.	Spherical End Model No.
0-25mm	0.01mm	12x17mm	601-9765	601-9764	601-9775	601-9774
0-1"	0.0001"	12x17mm	601-9766	601-9767	601-9776	601-9777



Micron Micrometer Heads



Range	Graduation	Model No.
0-1"	0.00005"	600-7551
0-2"	0.00005"	600-7552
0-50mm	0.001mm	600-7550