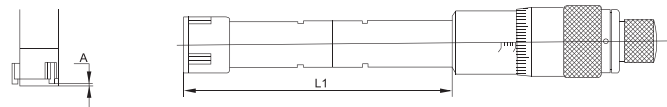


# Three-Point Internal Micrometers



Features:

- Self-centering 3-point for accurate measurement of internal diameters. Measurement can be taken closer to the bottom of the blind bore, and can be taken into a deep hole with an extension.
- Highly durable because of carbide-tipped contact points.
- Within 100mm/4" : Supplied with setting rings.
- Over 100mm/4" : Setting rings optional.
- Over 100mm/4" : Measuring head is changed.
- Resolution: Within 12mm/0.5": 0.001mm(Metric); 0.0001"(Inch).
- Over 12mm/0.5": 0.005mm(Metric); 0.0002"(Inch).

Range:6-100mm/0.275-4"



Model No.	Range	Accuracy	Setting Rings
MITM-07	6-8	0.004	Ø8
MITM-08	8-10	0.004	Ø8
MITM-09	10-12	0.004	Ø10
MITM-10	12-16	0.004	Ø16
MITM-11	16-20	0.004	Ø16
MITM-12	20-25	0.004	Ø25
MITM-13	25-30	0.004	Ø25
MITM-14	30-40	0.004	Ø40
MITM-15	40-50	0.005	Ø40
MITM-16	50-63	0.005	Ø62
MITM-17	62-75	0.005	Ø62
MITM-18	75-88	0.005	Ø87
MITM-19	87-100	0.005	Ø87

Range:3-6mm/0.12-0.28"



Model No.	Range	Accuracy	Setting Rings
MITM-01	3-4	0.004	Ø 4
MITM-02	4-5	0.004	Ø 5
MITM-03	5-6	0.004	Ø 6

Model No.	Range	Accuracy	Setting Rings
MITI-01	0.12-0.16"	0.00016"	0.16"
MITI-02	0.16-0.2"	0.00016"	0.16"
MITI-03	0.2-0.24"	0.00016"	0.24"
MITI-04	0.24-0.28"	0.00016"	0.24"

Inch

Model No.	Range	Accuracy	Setting Rings	A	L1
MITI-08	0.275-0.35"	0.00016"	Ø0.35"	1.5mm	54.5mm
MITI-09	0.35-0.425"	0.00016"	Ø0.35"	1.5mm	54.5mm
MITI-10	0.425-0.5"	0.00016"	Ø0.5"	1.5mm	54.5mm
MITI-11	0.5-0.65"	0.00016"	Ø0.5"	0.5mm	80mm
MITI-12	0.65-0.8"	0.00016"	Ø0.65"	0.5mm	80mm
MITI-13	0.8-1"	0.00016"	Ø1"	0.5mm	90mm
MITI-14	1-1.2"	0.00016"	Ø1"	0.5mm	90mm
MITI-15	1.2-1.6"	0.00016"	Ø1.6"	0.5mm	97mm
MITI-16	1.6-2"	0.0002"	Ø1.6"	0.5mm	97mm
MITI-17	2-2.5"	0.0002"	Ø2.5"	0.5mm	114mm
MITI-18	2.5-3"	0.0002"	Ø2.5"	0.5mm	114mm
MITI-19	3-3.5"	0.0002"	Ø3.5"	0.5mm	114mm
MITI-20	3.5-4"	0.0002"	Ø3.5"	0.5mm	114mm

Range:100-300mm/4-12"; A=0.5mm; L1=150mm



Model No.	Range	Accuracy	Setting Rings
MITM-20	100-125	0.005	Ø 112.5
MITM-21	125-150	0.005	Ø 137.5
MITM-22	150-175	0.005	Ø 162.5
MITM-23	175-200	0.005	Ø 187.5
MITM-24	200-225	0.007	Ø 212.5
MITM-25	225-250	0.007	Ø 237.5
MITM-26	250-275	0.007	Ø 262.5
MITM-27	275-300	0.007	Ø 287.5

Model No.	Range	Accuracy	Setting Rings
MITI-21	4-5"	0.00020"	4.5"
MITI-22	5-6"	0.00020"	5.5"
MITI-23	6-7"	0.00020"	6.5"
MITI-24	7-8"	0.00020"	7.5"
MITI-25	8-9"	0.00028"	8.5"
MITI-26	9-10"	0.00028"	9.5"
MITI-27	10-11"	0.00028"	10.5"
MITI-28	11-12"	0.00028"	11.5"

Range:6-12mm/0.275-0.5"; A=0.5mm



Model No.	Range	Accuracy	Setting Rings
MITM-04	6-8	0.004	Ø 6
MITM-05	8-10	0.004	Ø 8
MITM-06	10-12	0.004	Ø 10

Model No.	Range	Accuracy	Setting Rings	L1
MITI-05	0.275-0.35"	0.00016"	0.275"	53.5mm
MITI-06	0.35-0.425"	0.00016"	0.35"	53.5mm
MITI-07	0.425-0.5"	0.00016"	0.5"	53.5mm



## Three-point Internal Micrometers Sets

Model No.	Range	Individual Range	Setting Rings	Extension Rods
MITMS-1	3-6	3-4,4-5,5-6	Ø 4,5,6	/
MITMS-2	6-12 (A=0.5)	6-8,8-10,10-12	Ø 6,8,10	100
MITMS-3	6-12 (A=1.5)	6-8,8-10,10-12	Ø 6,8,10	100
MITMS-4	12-20 (A=0.5)	12-16,16-20	Ø 16	150
MITMS-5	20-50 (A=0.5)	20-25,25-30,30-40,40-50	Ø 25,40	150
MITMS-6	50-100 (A=0.5)	50-63,62-75,75-88,87-100	Ø 62,87	150

Model No.	Range	Individual Range	Setting Rings	Extension Rods
MITIS-1	0.12-0.28"	0.12-0.16",0.16-0.2",0.2-0.24",0.24-0.28"	0.16",0.24"	/
MITIS-2	0.275-0.5" (A=0.5mm)	0.275-0.35",0.35-0.425",0.425-0.5"	0.275",0.35",0.5"	4"
MITIS-3	0.275-0.5" (A=1.5mm)	0.275-0.35",0.35-0.425",0.425-0.5"	0.275",0.35",0.5"	4"
MITIS-4	0.5-0.8" (A=0.5mm)	0.5-0.65",0.65-0.8"	0.65"	6"
MITIS-5	0.8-2" (A=0.5mm)	0.8-1",1-1.2",1.2-1.6",1.6-2"	1",1.6"	6"
MITIS-6	2-4" (A=0.5mm)	2-2.5",2.5-3",3-3.5",3.5-4"	2.5",3.5"	6"

# IP54 Electronic Three-point Internal Micrometers

Features:

- Self-centering 3-point for accurate measurement of internal diameters. Measurement can be taken closer to the bottom of the blind bore, and can be taken into a deep hole with an extension rod.
- Carbide-tipped contact points.
- Protection level IP54. Criterion:DIN40050/IEC529.
- RS232 data out put.Electronic system same as MICEB-1(MICEBM-25) electronic outside micrometers.
- Within 100mm/4": Supplied with setting rings.
- Over 100mm/4": Setting rings optional.
- Over 100mm/4": Measuring head is changed.

Range:6-100mm/0.275-4"



Metric(mm)				Inch			
Model No.	Range	Accuracy	Setting Rings	Model No.	Range	Accuracy	Setting Rings
MITEM-07	6-8	0.004	Ø8	MITEI-08	0.275-0.35"	0.00016"	Ø0.35"
MITEM-08	8-10	0.004	Ø8	MITEI-09	0.35-0.425"	0.00016"	Ø0.35"
MITEM-09	10-12	0.004	Ø10	MITEI-10	0.425-0.5"	0.00016"	Ø0.5"
MITEM-10	12-16	0.004	Ø16	MITEI-11	0.5-0.65"	0.00016"	Ø0.5"
MITEM-11	16-20	0.004	Ø16	MITEI-12	0.65-0.8"	0.00016"	Ø0.65"
MITEM-12	20-25	0.004	Ø25	MITEI-13	0.8-1"	0.00016"	Ø1"
MITEM-13	25-30	0.004	Ø25	MITEI-14	1-1.2"	0.00016"	Ø1"
MITEM-14	30-40	0.004	Ø40	MITEI-15	1.2-1.6"	0.00016"	Ø1.6"
MITEM-15	40-50	0.005	Ø40	MITEI-16	1.6-2"	0.0002"	Ø1.6"
MITEM-16	50-63	0.005	Ø62	MITEI-17	2-2.5"	0.0002"	Ø2.5"
MITEM-17	62-75	0.005	Ø62	MITEI-18	2.5-3"	0.0002"	Ø2.5"
MITEM-18	75-88	0.005	Ø87	MITEI-19	3-3.5"	0.0002"	Ø3.5"
MITEM-19	87-100	0.005	Ø87	MITEI-20	3.5-4"	0.0002"	Ø3.5"

Range:3-6mm/0.12-0.28"



Metric(mm)				Inch			
Model No.	Range	Accuracy	Setting Rings	Model No.	Range	Accuracy	Setting Rings
MITEM-01	3-4	0.004	Ø 4	MITEI-01	0.12-0.16"	0.00016"	0.16"
MITEM-02	4-5	0.004	Ø 5	MITEI-02	0.16-0.2"	0.00016"	0.16"
MITEM-03	5-6	0.004	Ø 6	MITEI-03	0.2-0.24"	0.00016"	0.24"
				MITEI-04	0.24-0.28"	0.00016"	0.24"

Range:6-12mm/0.275-0.5"; A=0.5mm



Metric(mm)				Inch			
Model No.	Range	Accuracy	Setting Rings	Model No.	Range	Accuracy	Setting Rings
MITEM-04	6-8	0.004	Ø 6	MITEI-05	0.275-0.35"	0.00016"	0.275"
MITEM-05	8-10	0.004	Ø 8	MITEI-06	0.35-0.425"	0.00016"	0.35"
MITEM-06	10-12	0.004	Ø 10	MITEI-07	0.425-0.5"	0.00016"	0.5"

Range:100-300mm/4-12";

A=0.5mm  
L1=150mm



Metric(mm)				Inch			
Model No.	Range	Accuracy	Setting Rings	Model No.	Range	Accuracy	Setting Rings
MITEM-20	100-125	0.005	Ø 112.5	MITEI-21	4-5"	0.00020"	4.5"
MITEM-21	125-150	0.005	Ø 137.5	MITEI-22	5-6"	0.00020"	5.5"
MITEM-22	150-175	0.005	Ø 162.5	MITEI-23	6-7"	0.00020"	6.5"
MITEM-23	175-200	0.005	Ø 187.5	MITEI-24	7-8"	0.00020"	7.5"
MITEM-24	200-225	0.007	Ø 212.5	MITEI-25	8-9"	0.00028"	8.5"
MITEM-25	225-250	0.007	Ø 237.5	MITEI-26	9-10"	0.00028"	9.5"
MITEM-26	250-275	0.007	Ø 262.5	MITEI-27	10-11"	0.00028"	10.5"
MITEM-27	275-300	0.007	Ø 287.5	MITEI-28	11-12"	0.00028"	11.5"

Set series



MITEMS-05

Metric(mm)				
Model No.	Range	Individual Range	Setting rings	Extension rods
MITEMS-1	3-6	3-4,4-5,5-6	Ø 4,5,6	/
MITEMS-2	6-12 (A=0.5)	6-8,8-10,10-12	Ø 6,8,10	100
MITEMS-3	6-12 (A=1.5)	6-8,8-10,10-12	Ø 6,8,10	100
MITEMS-4	12-20 (A=0.5)	12-16,16-20	Ø 16	150
MITEMS-5	20-50 (A=0.5)	20-25,25-30,30-40,40-50	Ø 25,40	150
MITEMS-6	50-100 (A=0.5)	50-63,62-75,75-88,87-100	Ø 62,87	150

Inch				
Model No.	Range	Individual Range	Setting rings	Extension rods
MITEIS-1	0.12-0.28"	0.12-0.16",0.16-0.2",0.2-0.24",0.24-0.28"	0.16",0.24"	/
MITEIS-2	0.275-0.5" (A=0.5mm)	0.275-0.35",0.35-0.425",0.425-0.5"	0.275",0.35",0.5"	4"
MITEIS-3	0.275-0.5" (A=1.5mm)	0.275-0.35",0.35-0.425",0.425-0.5"	0.275",0.35",0.5"	4"
MITEIS-4	0.5-0.8" (A=0.5mm)	0.5-0.65",0.65-0.8"	0.65"	6"
MITEIS-5	0.8-2" (A=0.5mm)	0.8-1",1-1.2",1.2-1.6",1.6-2"	1",1.6"	6"
MITEIS-6	2-4" (A=0.5mm)	2-2.5",2.5-3",3-3.5",3.5-4"	2.5",3.5"	6"