

Self-Centering Inside Measuring Pistol Micromar 844 A



Application:

For measuring:

- through holes
- blind holes
- centering shoulders

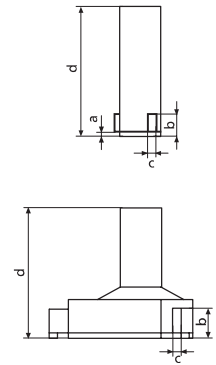
- Threaded connection for changing the measuring head
- Self-centering measuring head consists of 3 laterally positioned anvils, each are offset at intervals of 120°
- Anvils from 12 mm are carbide tipped
- From 12 mm the anvils can be used to measure the bottom of a bore
- From 40 mm all measuring heads are made from aluminium to reduce weight
- **Scope of delivery:** excludes indicator, Basic Units 844 Ag, Measuring head 44 Ak, Instruction manual, Case

Technical Data

Order no.	Product type	Measuring range	Measuring range	Error limit	Standard	Measuring depth	Measuring depth with extension
		mm	inch	µm		mm	mm
4487700	844 A	6 – 8	.25 – .3125"	3	Factory standard	58	133
4487701	844 A	8 – 10	.3125 – .4"	3	Factory standard	58	133
4487702	844 A	10 – 12	.4 – .4725"	3	Factory standard	58	133
4487703	844 A	12 – 16	.4725 – .625"	3	Factory standard	64	139
4487704	844 A	16 – 20	.625 – .775"	3	Factory standard	64	139
4487705	844 A	20 – 25	.775 – 1"	3	Factory standard	68	218
4487706	844 A	25 – 30	1 – 1.2"	3	Factory standard	68	218
4487707	844 A	30 – 40	1.2 – 1.6"	3	Factory standard	76	226
4487709	844 A	40 – 50	1.6 – 2"	3	Factory standard	76	226
4487710	844 A	50 – 60	2 – 2.35"	4	Factory standard	79	229
4487711	844 A	60 – 70	2.35 – 2.75"	4	Factory standard	79	229
4487612	844 A	70 – 85	2.75 – 3.35"	4	Factory standard	97	247
4487613	844 A	85 – 100	3.35 – 4"	4	Factory standard	97	247
4487614	844 A	100 – 125	4 – 4.9"	5	Factory standard	132	282
4487615	844 A	125 – 150	4.9 – 5.9"	5	Factory standard	132	282
4487616	844 A	150 – 175	5.9 – 6.9"	6	Factory standard	132	282
4487617	844 A	175 – 200	6.9 – 7.9"	6	Factory standard	132	282

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Order no.	a	b	c	d
	mm	mm	mm	mm
4487700	1,5	4	1,5	58
4487701	1,8	4,3	1,5	58
4487702	1,8	4,3	1,5	58
4487703		6,5	4	64
4487704		6,5	4	64
4487705		9	4	68
4487706		9	4	68
4487707		15	5	76
4487709		15	5	76
4487710		18	5	79
4487711		18	5	79
4487612		23	7	97
4487613		23	7	97
4487614		27	7	132
4487615		27	7	132
4487616		27	7	132
4487617		27	7	132



Accessories

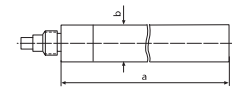
Order no.	Product description	Product type
4337621	Digital Indicator, 0,0005 mm, 25 mm	1086 R
4337625	Digital Indicator, 0,0005 mm, 25 mm	1086 Ri
4102915	Digimatic data cable (2 m)	16 EWd
4102410	Data Connection Cable RS232C (2 m)	16 EXr
4102357	Data Connection Cable USB (2 m)	16 EXu
4710026	Adjustment ring DIN 2250 C (8 mm)	355 E
4710030	Adjustment ring DIN 2250 C (10 mm)	355 E
4710036	Adjustment ring DIN 2250 C (16 mm)	355 E
4710040	Adjustment ring DIN 2250 C (20 mm)	355 E
4710050	Adjustment ring DIN 2250 C (30 mm)	355 E
4710060	Adjustment ring DIN 2250 C (40 mm)	355 E
4710080	Adjustment ring DIN 2250 C (60 mm)	355 E
4710105	Adjustment ring DIN 2250 C (85 mm)	355 E
4710121	Adjustment ring DIN 2250 C (125 mm)	355 E
4710122	Adjustment ring DIN 2250 C (175 mm)	355 E
4190090	Extensions 75 mm, (6 – 12 mm)	44 Av
4190091	Extensions 75 mm, (12 – 20 mm)	44 Av
4190092	Extensions 150 mm, (20 – 30 mm)	44 Av
4190093	Extensions 150 mm, (30 – 200 mm)	44 Av
4102220	Receiver	i-Stick



1086 R



1086 Ri
i = Wireless



44 Av



355 E



i-Stick

Self-Centering Measuring Pistol Micromar 844 AS



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For measuring:

- through holes
- blind holes
- centering shoulders

- Threaded connection for changing the measuring head
- Self-centering measuring head consists of 3 laterally positioned anvils, each are offset at intervals of 120°
- Anvils from 12 mm are carbide tipped
- From 12 mm the anvils can be used to measure the bottom of a bore
- From 40 mm all measuring heads are made from aluminium to reduce weight
- **Scope of delivery:** Instruction manual, Setting rings, Key for replacing measuring heads (from 30 mm), Case

Technical Data

Order no.	Product type	Measuring range	Measuring range	Resolution	Standard	Number of measuring heads 44 Ak	Indicating instrument (scope of delivery)	Setting rings
		mm	inch	mm/inch				
4487750	844 AS	6 –12	.25 –.4725"		Factory standard	3	without	8 mm, 10 mm
4487751	844 AS	12 –20	.4725 –.775"		Factory standard	2	without	16 mm
4487752	844 AS	20 –50	.775 –2"		Factory standard	4	without	25 mm, 40 mm
4487753	844 AS	50 –100	2 –4"		Factory standard	4	without	60 mm, 85 mm
4487760	844 AS	6 –12	.25 –.4725"	0,0005 / .00002"	Factory standard	3	MarCator 1086 R	8 mm, 10 mm
4487761	844 AS	12 –20	.4725 –.775"	0,0005 / .00002"	Factory standard	2	MarCator 1086 R	16 mm
4487762	844 AS	20 –50	.775 –2"	0,0005 / .00002"	Factory standard	4	MarCator 1086 R	25 mm, 40 mm
4487763	844 AS	50 –100	2 –4"	0,0005 / .00002"	Factory standard	4	MarCator 1086 R	60 mm, 85 mm

Note: 1086R = No Wireless

1086Ri = Wireless

If Require Wireless, Select Kit w/o Indicator, & Select Indicator Separately on pg 139

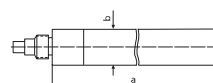
Accessories

Order no.	Product description	Product type
4102357	Data Connection Cable USB (2 m)	16 EXu
4102410	Data Connection Cable RS232C (2 m)	16 EXr
4102915	Digimatic data cable (2 m)	16 EWd
4102231	Transmitter for e-Stick	16 EWe
4102230	Receiver	e-Stick
4190090	Extensions 75 mm, (6 –12 mm)	44 Av
4190091	Extensions 75 mm, (12 –20 mm)	44 Av
4190092	Extensions 150 mm, (20 –30 mm)	44 Av
4190093	Extensions 150 mm, (30 –200 mm)	44 Av



16 EWe

e-Stick



44 Av

Basic Unit Micromar 44 EWg

Functions:

- RESET (set display to zero)
- ABS (display can be set to zero without losing reference to preset)
- PRESET (for entering a numerical value)
- mm/inch
- LOCK function (key lock)
- DATA (Data transmission via connection cable)

Threaded connection for changing the measuring head

- **Software:** MarCom Professional free download:
www.mahr.com/marcom
(only for Mahr data cables and wireless systems with USB and RS232C interface)

- **Data interface:** Digimatic, Opto RS232C, USB

- **Energy supply:** Battery life approx. 2 years

- **IP protection category:** IP 52

- **Scope of delivery:** Instruction manual, Battery, Case



Technical Data

Order no.	Product type	Measuring range	Measuring range	Measuring range
		mm	inch	mm/inch
4190106	44 EWg	6–20	.25–.775"	0,001 / .00005"
4190107	44 EWg	20–100	.775–4.0"	0,001 / .00005"
4190108	44 EWg	100–200	4.0–7.9"	0,001 / .00005"

Accessories

Order no.	Product description	Product type
4102520	Battery 3 V, CR 2032	
4102357	Data Connection Cable USB (2 m)	16 EXu
4102915	Digimatic data cable (2 m)	16 EXd
4102410	Data Connection Cable RS232C (2 m)	16 EXr
4190330	Measuring head, 6–8 mm	44 Ak
4190331	Measuring head, 8–10 mm	44 Ak
4190332	Measuring head, 10–12 mm	44 Ak
4190333	Measuring head, 12–16 mm	44 Ak
4190334	Measuring head, 16–20 mm	44 Ak
4190335	Measuring head, 20–25 mm	44 Ak
4190336	Measuring head, 25–30 mm	44 Ak
4190337	Measuring head, 30–40 mm	44 Ak
4190339	Measuring head, 40–50 mm	44 Ak
4190340	Measuring head, 50–60 mm	44 Ak
4190341	Measuring head, 60–70 mm	44 Ak
4190042	Measuring head, 70–85 mm	44 Ak
4190043	Measuring head, 85–100 mm	44 Ak
4190044	Measuring head, 100–125 mm	44 Ak
4190045	Measuring head, 125–150 mm	44 Ak
4190046	Measuring head, 150–175 mm	44 Ak
4190047	Measuring head, 175–200 mm	44 Ak



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