

# Millimes μMaxμm II

## Inductive Digital Comparator



### FUNCTIONS

- ON/OFF
- PRESET (for entering a numerical value)
- RESET (set display to zero)
- Selectable resolution
- Reversal of counting direction
- <0> (tolerance GO / NO GO display mode)
- mm/inch

### FEATURES

- Inductive absolute measuring system
- Large, high contrast display with numerical and scale display
- Control and display unit rotatable through 270°
- Zero point setting is retained even after switching off the dial indicator
- SoftwareMarCom Professional free download: [www.mahr.com/marcom](http://www.mahr.com/marcom) (only for Mahr data cables and wireless systems with USB and RS232 interface)
- **Digit height:** 8 mm
- **Data interface:** Digimatic, Opto RS232C, USB
- **Energy supply:** Battery operation
- **Package contains:** instruction manual, battery



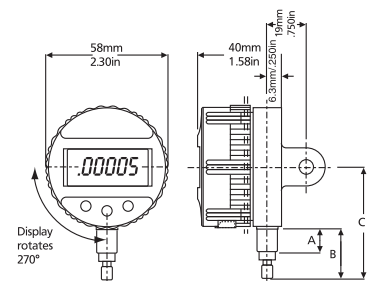
### Application:

For static measurements

### TECHNICAL DATA

Order no.	2034101	2034103	2034105	2034107
Product type	μMaxμm II			
Measuring range	mm	±1		
Measuring range	inch	± .040"		
Partial measuring range	mm	± 0.5		
Partial measuring range	inch	± .020"		
Resolution	mm	0.0002, 0.0005, 0.001, 0.002, 0.005, 0.01, 0.02		
Resolution	inch	.00001", .00002", .00005", .0001", .0002", .0005", .001"		
Error limit	μm	± 5		
Error limit	inch	± .0002"		
Error limit in partial measuring range	μm	± 1.25		
Error limit in partial measuring range	inch	± .00005"		
Standard	Factory standard			
Measuring force	N	0.8 – 1.1		
IP protection category:	IP 54			

Order no.	a	b	c	a	b	c	Mounting shaft	Mounting shaft
	inch	inch	inch	mm	mm	mm	mm	inch
2034101	.46"	.95"	2.11"	11.7	24.1	53.6		.375"
2034103	1.5"	2.25"	3.41"	38	57.2	86.6		.375"
2034105	.46"	.95"	2.11"	11.7	24.1	53.6	8	
2034107	1.5"	2.25"	3.41"	38	57.2	86.6	8	



### ACCESSORIES



e-Stick



2000 e

Order no.	Product name	Product type
2210555	Lug back	EBK-1010
2210556	Back panel with cylindrical holder, Ø = .5", l = 1"	EBK-1012
2210557	Back panel with threaded bore 1/4–28, Ø = 11/16", l = .5"	EBK-1013
2210558	Back panel with rack	EBK-1014
2210559	Back panel with adjustable holder	EBK-1016
2210561	Flat back panel	EBK-1018
2212878	Splash guard cover	ECV-1307-W2
2232570	Measuring force springs 0.35N	SP-351
2201833	Thread adapter, M2.5 male to #4–48 female threads	AD-185
4310103	Adapter bushing (.375" / 8 mm)	940
4346023	2000 USB Data connection cable USB (2 m)	2000 USB
4346021	Digimatic data cable (2 m)	2000 d
4346020	Data connection cable RS232C (2 m)	2000 r
4102230	e-Stick Receiver	e-Stick
4102232	2000 e Transmitter for e-Stick	2000 e



## FUNCTIONS

- ON/OFF
- RESET (set display to zero)
- mm/inch
- Reversal of counting direction
- ABS (display can be set to zero without losing reference to preset)
- MAX/MIN memory for searching the reversal point
- TIR (MAX-MIN) for testing flatness and concentricity
- Factor (adjustable)
- HOLD (storage of measured values)



### Application:

For static and dynamic measurements

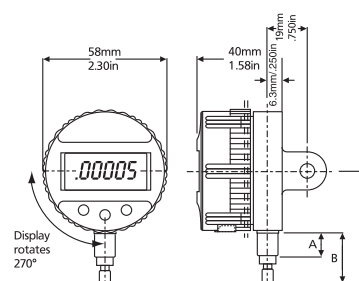
## TECHNICAL DATA

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- **Package contains:** instruction manual, battery

Order no.	2034201	2034203	2034205	2034207
Product type	μMaxμm II			
Measuring range	mm	±1		
Measuring range	inch	± .040"		
Partial measuring range	mm	± 0.5		
Partial measuring range	inch	± .020"		
Resolution	mm	0.0002, 0.0005, 0.001, 0.002, 0.005, 0.01, 0.02		
Resolution	inch	.00001", .00002", .00005", .0001", .0002", .0005", .001"		
Error limit	μm	± 5		
Error limit	inch	± .0002"		
Error limit in partial measuring range	μm	± 1.25		
Error limit in partial measuring range	inch	± .00005"		
Standard	Factory standard			
Measuring force	N	0.8 – 1.1		
IP protection category:	IP 54			

Order no.	a	b	c	a	b	c	Mounting shaft	Mounting shaft
	inch	inch	inch	mm	mm	mm	mm	inch
2034201	.46"	.95"	2.11"	11.7	24.1	53.6		.375"
2034203	1.5"	2.25"	3.41"	38	57.2	86.6		.375"
2034205	.46"	.95"	2.11"	11.7	24.1	53.6	8	
2034207	1.5"	2.25"	3.41"	38	57.2	86.6	8	



## ACCESSORIES



Order no.	Product name	Product type
2210555	Lug back	EBK-1010
2212878	Splash guard cover	ECV-1307-W2
4310103	Adapter bushing (.375" / 8 mm)	940
4346023	2000 USB Data connection cable USB (2 m)	2000 USB
4346021	Digimatic data cable (2 m)	2000 d
4346020	Data connection cable RS232C (2 m)	2000 r
4102232	2000 e Transmitter for e-Stick	2000 e
4102230	e-Stick Receiver	e-Stick
2210556	Back panel with cylindrical holder, Ø = .5", l = 1"	EBK-1012
2210557	Back panel with threaded bore 1/4-28, Ø = 11/16", l = .5"	EBK-1013
2210561	Flat back panel	EBK-1018
2210559	Back panel with adjustable holder	EBK-1016
2210558	Back panel with rack	EBK-1014
2232570	Measuring force springs 0.35N	SP-351

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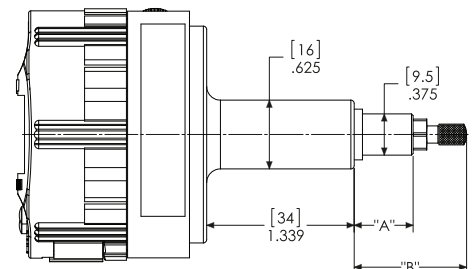
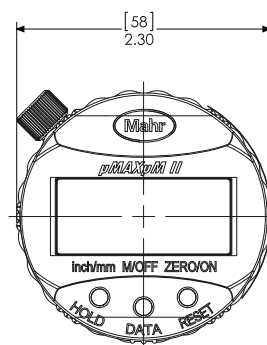
### Application:

- Vertical design with perpendicular measuring spindle
- For static and dynamic measurements

### TECHNICAL DATA

Order no.	2034401	
Product type	µMaxµm II	
Measuring range	mm	±1
Measuring range	inch	±.040"
Partial measuring range	mm	±0.5
Partial measuring range	inch	±.020"
Resolution	mm	0.0002, 0.0005, 0.001, 0.002, 0.005, 0.01, 0.02
Resolution	inch	.00001", .00002", .00005", .0001", .0002", .0005", .001"
Error limit	µm	±5
Error limit	inch	±.0002"
Error limit in partial measuring range	µm	±1.25
Error limit in partial measuring range	inch	±.00005"
Standard	Factory standard	
Measuring force	N	0.8 – 1.1
IP protection category:	IP 54	

Order no.	a	b	c	a	b	Mounting shaft
	inch	inch	inch	mm	mm	inch
2034401	.46"	.95"	2.11"	11.7	24.1	.375"



### ACCESSORIES

Order no.	Product name	Product type
2212878	Splash guard cover	ECV-1307-W2
2232570	Measuring force springs 0.35N	SP-351
2201833	Thread adapter, M2.5 male to #4-48 female threads	AD-185
4310103	Adapter bushing (.375" / 8 mm)	940
4346023	2000 USB Data connection cable USB (2 m)	2000 USB
4346021	Digimatic data cable (2 m)	2000 d
4346020	Data connection cable RS232C (2 m)	2000 r