

Digital universal caliper MarCal 16 EWri-V



REFERENCE



Application:

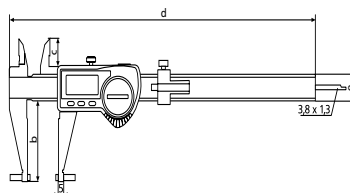
Can be used as standard calipers (four measuring directions), with standard accessories for measuring recesses, grooves, etc., with special accessories for measuring threads, bores and gears.



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod	Incl. accessories
		mm	mm/inch	mm			
4118907	16 EWri-V	0 – 200	0,01 / .0005"	0,03	DIN 862	rectangular	•

Order no.	b	c	d	e
	mm	mm	mm	mm
4118907	48	16,5	285	16

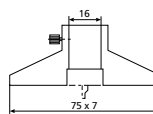


Accessories

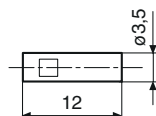
Order no.	Product description	Product type
4102020	Depth bridge (75 x 7 mm)	16 Em
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	
4118810	Anvil for outside measurement (3,5 x 12 mm)	16 Eea 1
4118811	Anvil for outside measurement (1,5 x 6 mm)	16 Eea 2
4118812	Anvil for outside measurement (3,5 x 6 mm)	16 Eea 3
4118813	Anvil for inside measurement (3,5 x 6 mm)	16 Eei 1
4118814	Anvil for inside measurement (1,5 x 6 mm)	16 Eei 2
4118815	Anvil for inside measurement (3,5 x 6 mm)	16 Eei 3
4118816	Anvil for inside measurement (4 x 2,5 mm)	16 Eei 4
4118817	Setting Gage for inside measurement (50 mm)	16 Eel
4118818	Measuring Force Device	16 Ec
4118819	Mounting Attachment for thread anvils 844 TG/844Tr and ball anvils 844 Tk	16 Eab
4879602	Screws M2x8	



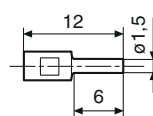
i-Stick



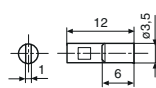
16 Em



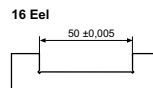
16 Eea 1



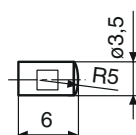
16 Eea 2



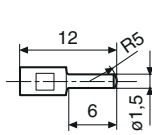
16 Eei 1



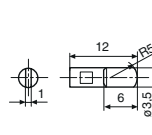
16 Eei 2



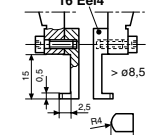
16 Eei 3



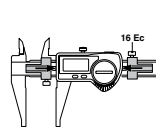
16 Eei 4



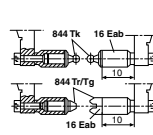
16 Eei 1



16 Eei 2



16 Ec



16 Eab

Features

Functions:

- AUTO-ON / OFF
- ON/OFF
- DATA (Data transmission via connection cable)
- HOLD (storage of measured values)
- PRESET (for entering a numerical value)
- RESET (set display to zero)
- mm/inch
- LOCK function (key lock)

- High contrast analog display
- Locking screw above
- Lapped guide way
- Measuring blade for inside measurements
- Slide and beam made of hardened stainless steel
- Step measuring function
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 8,5 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery life approx. 3 years (approx. 0.5 in wireless mode)
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case, Setting Gage for inside measurement 16 Eel, Measuring force device 16 Ec, Depth Measuring Bridge 16 Em, Anvils for outside measurement 16 Eea 1–3, Anvils for inside measurement 16 Eei 1–3

Digital Caliper for special applications MarCal 16 EWri-AR

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)
- High contrast analog display
- Locking screw above
- Lapped guide way
- Measuring blade for inside measurements
- Slide and beam made of hardened stainless steel
- Step measuring function
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

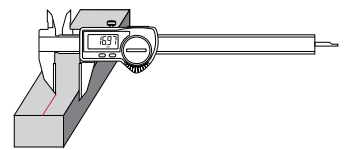


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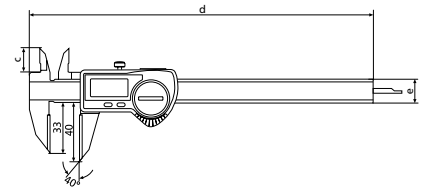
For marking out workpieces



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103382	16 EWri-AR	0 – 200	0,01 / .0005"	0,03	Factory standard	rectangular

Order no.	c	d	e
	mm	mm	mm
4103382	16,5	285	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Digital Caliper for special applications MarCal 16 EWRi-NA

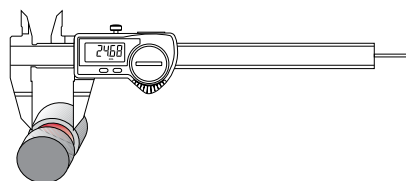


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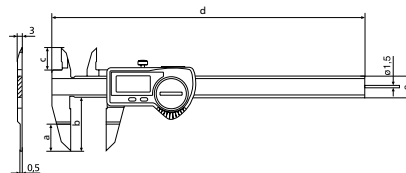
For measuring keyseats



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103374	16 EWRi-NA	0 – 150	0,01 / .0005"	0,03	Factory standard	round

Order no.	a	b	c	d	e
	mm	mm	mm	mm	mm
4103374	20	40	16,5	235	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)

- High contrast analog display
- Locking screw above
- Lapped guide way
- Measuring blade for inside measurements
- Slide and beam made of hardened stainless steel
- Step measuring function
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

Digital Caliper for special applications MarCal 16 EWri-S

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)
- High contrast analog display
- Locking screw above
- Lapped guide way
- Measuring blade for inside measurements
- Slide and beam made of hardened stainless steel
- Step measuring function
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

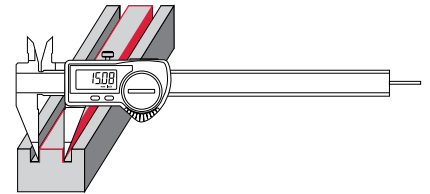


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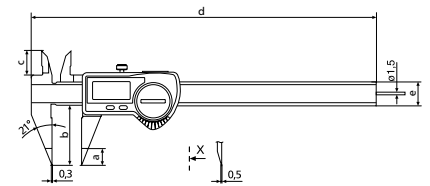
With pointed jaws e.g. for measuring distances between grooves



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103375	16 EWri-S	0 – 150	0,01 / .0005"	0,03	Factory standard	round

Order no.	a	b	c	d	e
	mm	mm	mm	mm	mm
4103375	10	40	16,5	235	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Digital Caliper for special applications MarCal 16 EWri-SM

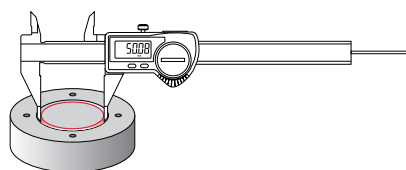


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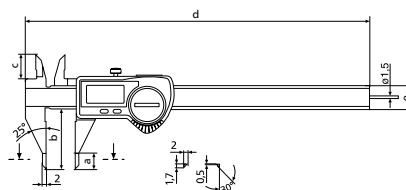
With pointed jaws e.g. for measuring distances between grooves



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103376	16 EWri-SM	0 – 150	0,01 / .0005"	0,03	Factory standard	round

Order no.	a	b	c	d	e
	mm	mm	mm	mm	mm
4103376	10	40	16,5	235	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)

- High contrast analog display
- Locking screw above
- Lapped guide way
- Measuring blade for inside measurements
- Slide and beam made of hardened stainless steel
- Step measuring function
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

Digital Caliper for special applications MarCal 16 EWri-VS

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)
- High contrast analog display
- Locking screw above
- Lapped guide way
- Measuring blade for inside measurements
- Slide and beam made of hardened stainless steel
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

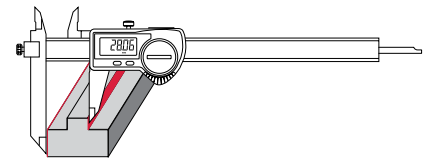


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Application:

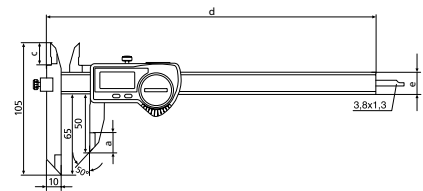
With moving jaws for measuring stepped workpieces



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103383	16 EWri-VS	0 – 200	0,01 / .0005"	0,04	Factory standard	rectangular

Order no.	a	c	d	e
	mm	mm	mm	mm
4103383	14	18	278	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Digital Caliper for special applications MarCal 16 EWri-BA

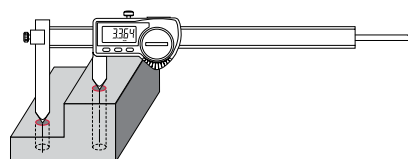


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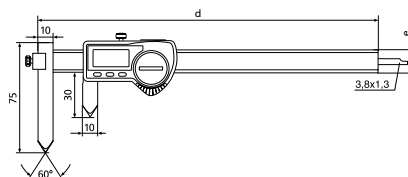
For measuring the distance between bores



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103384	16 EWri-BA	10 – 210	0,01 / .0005"	0,04	Factory standard	rectangular

Order no.	d	e
	mm	mm
4103384	278	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)

- High contrast analog display
- Locking screw above
- Lapped guide way
- Slide and beam made of hardened stainless steel
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

Digital Caliper for special applications MarCal 16 EWri-SA

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)
- High contrast analog display
- Locking screw above
- Lapped guide way
- Slide and beam made of hardened stainless steel
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

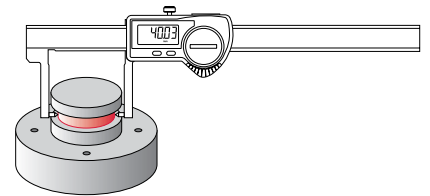


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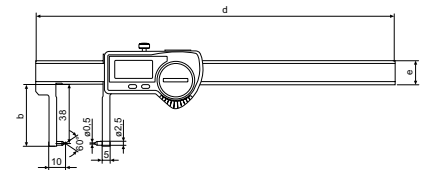
Inward-angled measuring tips for measuring wall thicknesses and recesses on shafts



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103377	16 EWri-SA	0 – 140	0,01 / .0005"	0,03	Factory standard	none

Order no.	b	d	e
	mm	mm	mm
4103377	40	235	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Digital Caliper for special applications MarCal 16 EWri-AA

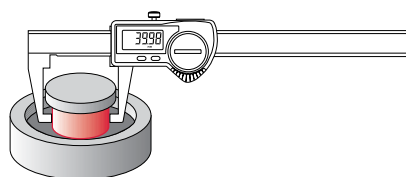


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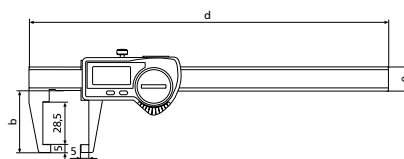
Application:

Inward-angled measuring surfaces for measuring wall thicknesses and recesses on shafts



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103379	16 EWri-AA	0 – 150	0,01 / .0005"	0,03	Factory standard	none



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)

- High contrast analog display
- Locking screw above
- Lapped guide way
- Slide and beam made of hardened stainless steel
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

Digital Caliper for special applications MarCal 16 EWRI-AI

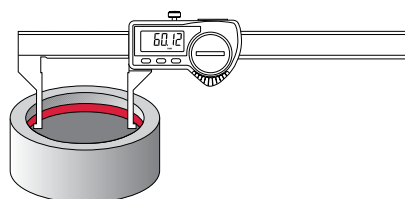


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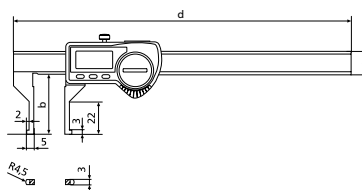
Outward-angled measuring surfaces for measuring recesses in bores



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103380	16 EWRI-AI	10 – 160	0,01 / .0005"	0,03	Factory standard	none

Order no.	b	d	e
	mm	mm	mm
4103380	40	235	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)

- High contrast analog display
- Locking screw above
- Lapped guide way
- Slide and beam made of hardened stainless steel
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

Digital Caliper for special applications MarCal 16 EWri-RW

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)
- High contrast analog display
- Locking screw above
- Lapped guide way
- Slide and beam made of hardened stainless steel
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case

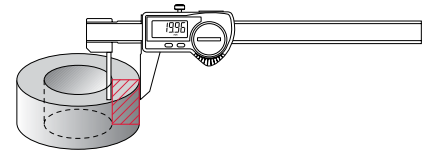


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Application:

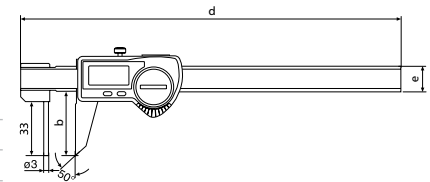
Measurement of wall thicknesses



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103381	16 EWri-RW	0 – 150	0,01 / .0005"	0,05	Factory standard	none

Order no.	b	d	e
	mm	mm	mm
4103381	40	235	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Digital Caliper for special applications MarCal 16 EWri-LI

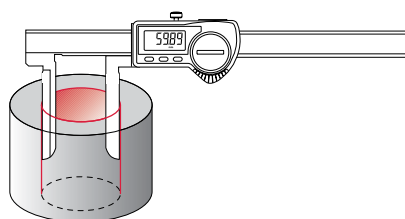


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Application:

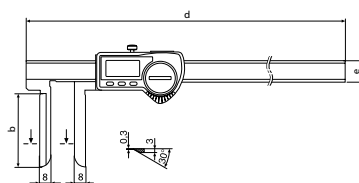
With long inner blades



Technical Data

Order no.	Product type	Measuring range	Resolution	Error limit	Standard	Depth Rod
		mm	mm/inch	mm		
4103385	16 EWri-LI	10 – 200	0,01 / .0005"	0,05	Factory standard	none

Order no.	b	d	e
	mm	mm	mm
4103385	60	285	16



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	



i-Stick

Features

Functions:

- ON/OFF
- AUTO-ON / OFF
- mm/inch
- LOCK function (key lock)
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- DATA (Data transmission)
- HOLD (storage of measured values)

- High contrast analog display
- Locking screw above
- Lapped guide way
- Measuring blade for inside measurements
- Slide and beam made of hardened stainless steel
- Immediate measurements due to the Reference system
- Raised guide ways for the protection of the scale
- Excellent resistance against dust, coolants and lubricants
- Dirt wipers are integrated in the slide
- **Height of digits:** 11 mm
- **Data interface:** Integrated wireless
- **Energy supply:** Battery, life span ca. 3 years
- **IP protection category:** IP 67
- **Scope of delivery:** Battery, Instruction manual, Case