Millimess 2000 W / 2000 Wi

Inductive dial comparator

FUNCTIONS

- ON/OFF
- mm/inch
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- ABS (reference to the electrical zero point)
- Selectable resolution
- TOL (tolerance and warning limits input)
- Factor (adjustable)
- Reversal of counting direction
- HOLD (storage of measured values)
- LOCK function (key lock)
- DATA (data transmission)
- Bidirectional data interface (external output and input option of characteristic values as well as setting of individual lock functions by MarCom Software)

FEATURES

- Advantages of tempered glass front with touch control panels:
  - Scratch and impact resistant surface
  - Excellent protection against dust, coolants and lubricants
  - Wear-free touch operating keys
  - Improved safety of measurement values in measuring stands, as only a light touch of the key
  - No keystroke - is required, thus no adjustment or deformation of the measuring device
- High contrast LCD display
- Clear tolerance symbols and colored LED signals (red, green, yellow) for measured value classification
  - with warning limit input: No Go / Go / Warning Limit
  - without warning limit input: No Go / Go / Rework
- Operating and display unit (bezel) can be rotated through 280°
- Mounting shank and measuring spindle are both made of hardened stainless steel
- Measuring spindle is mounted in a high precision ball guide for minimal hysteresis
- Linearized inductive absolute measuring system
- Measuring force spring is interchangeable
- Lower stop is adjustable
- **Software:** MarCom Professional free download: www.mahr.com/marcom (only for Mahr data cables and wireless systems with USB and RS–232 interface)
- **Digit height:** 11.5 mm
- **Energy supply:** Integrated rechargeable accumulator (up to 4 weeks) or powered by USB data cable
- **Battery type:** Lithium Polymer Accu 3.7 V
- **Package contains:** instruction manual, USB data and charging cable type DK-U1, plug-in power supply (with 4 interchangeable adapters) for USB, rubber bellows, screwdriver for pre-stroke adjustment (hexagon socket 0.9 mm), case





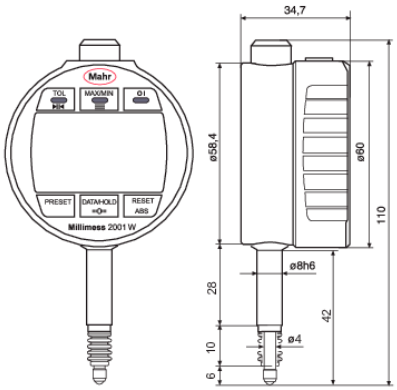
Application:

- For static measuring tasks

TECHNICAL DATA

Order no.		4346700	4346701
Type		2000 W	2000 Wi
Measuring range	mm	± 1	
Measuring range	inch	± .04"	
Resolution	mm	0.0001, 0.0002, 0.0005, 0.001, 0.002, 0.005, 0.01	
Resolution	inch	.000005", .00001", .00002", .00005", .0001", .0002", .0005"	
Error limit	µm	± (0.2 + L/2) L in mm	
Measuring value hysteresis f_u	µm	0.3	
Repeatability f_w	µm	0.1	
Standard		Factory standard	
Free stroke	mm	2.5	
Measuring force	N	0.9 ±0.1 (at the electrical zero point)	
IP protection category		IP 64	
Data interface		USB, Digimatic	Integrated Wireless, USB, Digimatic
Supply voltage		100–240 V	

Order no.	Mounting shaft
	mm
4346700	8
4346701	8



Millimess 2001 W / 2001 Wi

Inductive dial comparator

IP 64 | TOL | ABS system | Digimatic | #ID

FUNCTIONS

- ON/OFF
- mm/inch
- RESET (set display to zero)
- PRESET (for entering a numerical value)
- ABS (reference to the electrical zero point)
- Selectable resolution
- TOL (tolerance and warning limits input)
- RANGE (switch the measuring range and resolution)
- MAX/MIN (memory for searching the reversal point)
- MAX-MIN (for testing flatness and concentricity)
- 0 (set the analog scale display to zero)
- Factor (adjustable)
- Reversal of counting direction
- HOLD (storage of measured values)
- LOCK function (key lock)
- DATA (data transmission)
- Bidirectional data interface (external output and input option of characteristic values as well as setting of individual lock functions by MarCom Software)

FEATURES

- Advantages of tempered glass front with touch control panels:
  - Scratch and impact resistant surface
  - Excellent protection against dust, coolants and lubricants
  - Wear-free touch operating keys
  - Improved safety of measurement values in measuring stands, as only a light touch of the key
  - No keystroke - is required, thus no adjustment or deformation of the measuring device
- Clear tolerance limits in the scale display and colored LED signals (red, green, yellow) for measured value classification
  - with warning limit input: No Go / Go / Warning Limit
  - without warning limit input: No Go / Go / Rework
- LED signals (red, green, yellow) in mode:
  - Powered by accumulator: flashing signal (1 sec.)
  - Powered by data cable DK-U1: permanent
- High contrast LCD display
- Analog scale display for visual recognition of the measuring movement during dynamic measurement tasks such as checking of concentricity or flatness as well as for reversal point search during bore measurements
- Operating and display unit (bezel) can be rotated through 280°





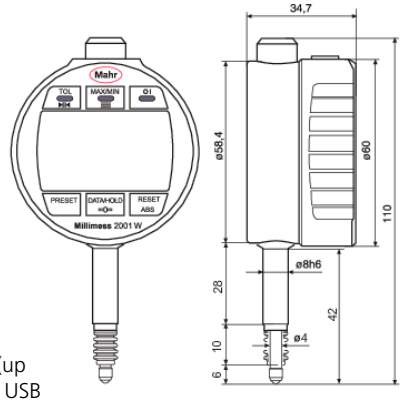
Application:

- For static and dynamic measuring tasks

TECHNICAL DATA

Order no.		4346800	4346801
Type		2001 W	2001 Wi
Measuring range	mm	± 1	
Measuring range	inch	± .04"	
Resolution	mm	0.0001, 0.0002, 0.0005, 0.001, 0.002, 0.005, 0.01	
Resolution	inch	.000005", .00001", .00002", .00005", .0001", .0002", .0005"	
Error limit	µm	± (0.2 + L/2) L in mm	
Measuring value hysteresis f_u	µm	0.3	
Repeatability f_w	µm	0.1	
Standard		Factory standard	
Free stroke	mm	2.5	
Measuring force	N	0.9 ±0.1 (at the electrical zero point)	
Range of analog display	mm	± 0.002, ± 0.004, ± 0.01, ± 0.02, ± 0.04, ± 0.1, ± 0.2	
IP protection category		IP 64	
Data interface		USB, Digimatic	Integrated Wireless, USB, Digimatic
Supply voltage		100–240 V	

Order no.	Mounting shaft
	mm
4346800	8
4346801	8
4346811	8



- Mounting shank and measuring spindle are both made of hardened stainless steel
- Measuring spindle is mounted in a high precision ball guide for minimal hysteresis
- Linearized inductive absolute measuring system
- Measuring force spring is interchangeable
- Lower stop is adjustable
- **Software:** MarCom Professional free download: www.mahr.com/marcom (only for Mahr data cables and wireless systems with USB and RS–232 interface)
- **Digit height:** 9 mm
- **Energy supply:** Integrated rechargeable accumulator (up to 4 weeks) or powered by USB data cable
- **Battery type:** Lithium Polymer Accu 3.7 V
- **Package contains:** instruction manual, USB data and charging cable type DK-U1, plug-in power supply (with 4 interchangeable adapters) for USB, rubber bellows, screwdriver for pre-stroke adjustment (hexagon socket 0.9 mm), case