35015 - 35016 Height measuring and marking devices

35015
Design
- With fine adjustment/magnifying glass
- Carbide-tipped marking-off needle
- **Zero setting**
- **Reading 0.02 mm**

35016
Replacement marking-off needle, carbide-tipped.

35015

Marking height mm	Measuring rod □ mm	Base L x W mm	Weight approx. kg	Scriber 35015 ...	Carbide needle 35016 ...
300	28 x 10	125 x 85	3.1		101	101
450	35 x 12	180 x 120	7.0		102	102
600	35 x 12	180 x 120	7.2		103	103

35022 - 35023 Scriber

35022
Design
- Vernier scale and scale, brushed chromium-plated
- With fine adjustment
- Accuracy according to factory standard

35023
Replacement scriber, carbide-tipped.

35022

Measuring range mm	Measuring rod □ mm	Scriber 35022 ...	Carbide needle 35023 ...
0–300	15 x 10		101	101
0–500	16 x 12		102	102 NEW

35017 - 35018 Precision scribers

ATORN®

35017
Design
- Error limits conforming to DIN 862
- **Parallax-free reading**
- Scales and vernier scale, brushed chromium-plated
- Guide rod, industrial chrome plated
- Locking screw
- Fine adjustment
- **Supplied with straight scriber, carbide-tipped**

35018
Design
- Error limits conforming to DIN 862
- **Parallax-free reading**
- Scales and vernier scale, brushed chromium-plated
- Guide rod, industrial chrome-plated
- Locking screw
- Precision callipers adjustment with toothed wheel and toothed rack
- **Supplied with straight scriber, carbide-tipped**

35024
Replacement scriber, carbide tipped
Design
- Straight, 75 mm

35017 35018

Measuring range mm	Reading mm	Measuring rod □ mm	Base L x W x H mm	Scriber with fine adjustment 35017 ...	Scriber with toothed rack 35018 ...	Carbide needle 35024 ...
300	0.02	30 x 12	145 x 90 x 44	301	301	101
600	0.02	31 x 12	189 x 118 x 44	302	302	101
1000	0.02	32 x 12	189 x 118 x 44	303	303	101

Height measuring and marking devices

35030 Digital height measuring and marking devices Digimar 814 SR

Typ V | Typ W | Typ X

Mahr

Design
- Auto on/off function
- RESET function (resetting the display)
- PRESET function (measurement presetting)
- mm/inch switching
- Reference lock/unlock function (keypad lock)
- DATA function (in connection with data connection cable)
- ABS function (switching from relative to absolute measurement)
- High-contrast 12 mm high LCD display
- Easy-grip, secure base
- Hardened, lapped contact surface, lightweight and can be moved smoothly
- Slide and rail hardened, rust-free
- Hand wheel for positioning and measuring
- Fine adjustment
- Locking screw
- Interchangeable measuring and marking tip, carbide-tipped
- Adjustment speed 1.5 m/s (60 inch/s)
- Company standard
- MarConnect data output optional: USB, Opto RS232C, Digimatic
- Power supply: Battery, service life approx. 3 years

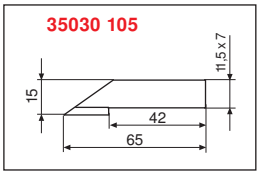
Scope of delivery:
- Scriber point
- Battery (3 V, type CR 2032)
- Operating instructions
- In box

Applications
For marking off and marking workpieces and for measuring heights and distances.

Note:
Connection cable, see art. no. 35200 404-406.
Replacement batteries, see art. no. 39900 102.

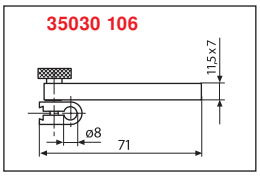
35030 105
Scriber 814 SRs, carbide-tipped.

35030 105



35030 106
Holder 27 Sp for lever gauge probes.

35030 106



35030 101-102

Measuring range mm	Reading mm	Measuring rod T mm	Base L x W mm	Overall height mm	Error limit µm	Weight approx. kg	35030	...
350	0.01	35	180 x 62	580	40	7		101
600	0.01	35	180 x 62	835	50	8		102
Marking-off needle 814 SRs, carbide-tipped	-	-	-	-	-	-		105
Holder 27 Sp for lever gauge probes	-	-	-	-	-	-		106

35040 - 35042 Digital height measuring and marking devices

Typ J | Typ K | Typ L

ATORN®

Design
- Accuracy according to factory standard
- Finely machined and inspected with high precision
- Guide column made of special steel
- Interchangeable cemented carbide marking-off needle
- Cropped scriber holder for measuring from the base
- Data output proximity, J, K, L
- Supplied with 3 V lithium battery

Functions:
- Switching on/off
- Resetting in any position
- mm/inch switching
- HOLD function (measurement determination)
- PRESET +/- (measurement pre-setting)
- Locking screw

Applications
Absolute, differential, comparison measurements, etc. can be performed quickly, cleanly and easily.

Note:
Connection cable, see art. no. 35200.
Replacement batteries, see art. no. 39900 102.

35040
Design
- With fine adjustment

35042
Design
- Fine adjustment with toothed rack and adjusting wheel with pinion

35024
Replacement scriber, carbide tipped
Design
- Straight, 75 mm

35040 35042

				Scriber with fine adjustment		Scriber with toothed rack		Carbide needle	
Measuring range mm	Base L x W x H mm	Reading mm	Measuring rod mm	35040	...	35042	...	35024	...
300	145 x 90 x 44	0.01	30 x 12		101		101		101
600	189 x 118 x 44	0.01	31 x 12		102		102		101
1000	189 x 118 x 44	0.01	32 x 12		103		103		101

= The specified prices are unit prices. Only sold in the specified packing units. Always specify number of units in order information.

Info — Process-related measurement in parts production

SCS calibration certificate
The TESA-HITE and MICRO-HITE production line includes a laboratory accredited by the Swiss Accreditation Service.

As a result, every vertical TESA length measuring device is supplied with a free SCS calibration certificate. Fully air-conditioned rooms (20 +/- 0.1 °C) and high-precision step gauges contribute to extremely low measurement uncertainty during calibration.

- In the first step, the measurement deviations of the manufactured measuring instrument are recorded. With help from CAA (computer aided accuracy), correction values are then calculated to reduce the systematic proportions of the measurement deviations.
- For automatic correction of the measurement values during the measurements, the individual correction values are stored in the memory of the respective measuring device
- The measurement results documented in the SCS calibration certificate are determined by means of final measurement series using another calibration device that is also equipped with a step gauge.
  The calibration procedures applied and the SCS calibration certificate guarantee that each vertical TESA length measuring device can be traced back to national standards.

35071 — Digital height measuring devices TESA-HITE MAGNA 400/700

Design
- Magna µ measuring system, IP 55
- Modern control panel
- Fine adjustment system
- Suitable for workshops
- IP 65 control panel
- Context-based help
- Backlit colour screen
- Fast measurement
- Fast reversal point search with Quickcenter dynamic technology
- 4 different display settings
- Height, surface or reversal point measurements
- Hole, shank, shaft, web measurement
- Min, max, delta (parallelism) measurements
- Distance and centre point calculation
- mm/inch switching
- Preset function

- TLC interface (cable or Bluetooth)
- Data can be sent manually or automatically
- Current position can be displayed continuously
- Large digital display 21 mm
- Operating keys with „click" feedback
- Short training time
- Free SCS certificate

NEW

Scope of delivery:
- Height measuring device incl. control panel
- Standard gauge slide holder
- Standard gauge slide with carbide ball ∅ 5 mm
- Reference piece
- Power supply and cable
- SCS certificate
- Declaration of conformity
- Quick start guide
- Operating instructions on USB stick

35071 101

Technical data:	35071 101 (MAGNA 400)	35071 102 (MAGNA 700)
Measuring range:	415 mm	715 mm
Error limit:	≤ 8 µm	≤ 8 µm
Repeatability limit on a level surface (2δ):	≤ 3 µm	≤ 3 µm
Repeatability limit on an arc (2δ):	≤ 5 µm	≤ 5 µm
Limit value of the perpendicularity deviation:	-	-
Resolution:	0.001/0.005/0.01 mm	0.001/0.005/0.01 mm
Measuring force:	1.5 N +/- 0.5 N	1.5 N +/- 0.5 N
Air cushion:	No	No
Fine adjustment:	Yes	Yes
Display:	LCD colour display 121 x 92 mm backlit	LCD colour display 121 x 92 mm backlit
Battery:	integrated, rechargeable Li-ion 12.8 V/3.0 Ah	integrated, rechargeable Li-ion 12.8 V/3.0 Ah
Autonomy:	60 h	60 h
Protection rating:	IP 55, control panel IP 65	IP 55, control panel IP 65
Weight:	15 kg	18 kg

Measuring range mm	35071 ...
415	101
715	102

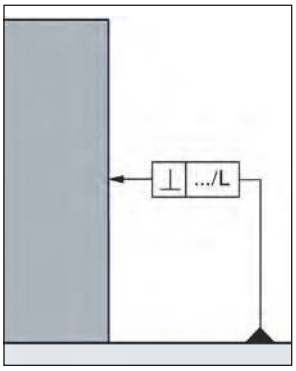
Digital height measuring devices

35074 Digital height measuring devices TESA HITE 400/700

Design
- Opto µ measuring system, IP 55
- Modern control panel
- Fine adjustment system
- Suitable for workshops
- IP 65 control panel
- Context-based help
- Backlit colour screen
- Fast measurement
- Fast reversal point search with Quickcenter dynamic technology
- 4 different display settings
- Height, surface or reversal point measurements
- Hole, shank, shaft, web measurement
- Min, max, delta (parallelism) measurements
- Distance and middle point calculation
- mm/inch switching
- Preset function
- TLC interface (cable or Bluetooth)
- Data can be sent manually or automatically
- Current position can be displayed continuously
- Large digit size 21 mm
- Operating keys with „click" feedback
- Short training time
- Free SCS certificate

Scope of delivery:
- Height measuring device incl. control panel
- Standard gauge slide holder
- Standard gauge slide with carbide ball ∅ 5 mm
- Reference piece
- Power supply and cable
- SCS certificate
- Declaration of conformity
- Quick start guide
- Operating instructions on USB stick

Measuring perpendicularity



NEW

35074 101

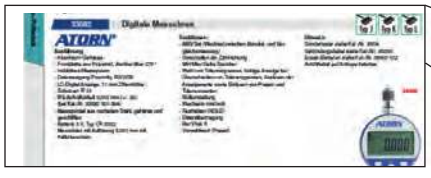
Technical data:	35074 101 (HITE 400)	35074 102 (HITE 700)
Measuring range:	415 mm	715 mm
Error limit:	(2.5+4 L) µm (L in m)	(2.5+4 L) µm (L in m)
Repeatability limit on a level surface (2δ):	≤ 2 µm	≤ 2 µm
Repeatability limit on an arc (2δ):	≤ 3 µm	≤ 3 µm
Limit value of the perpendicularity deviation:	9 µm	13 µm
Resolution:	0.0001/0.001/0.01 mm	0.0001/0.001/0.01 mm
Measuring force:	1.5 N +/- 0.5 N	1.5 N +/- 0.5 N
Air cushion:	Yes	Yes
Fine adjustment:	Yes	Yes
Display:	LCD colour display 121 x 92 mm backlit	LCD colour display 121 x 92 mm backlit
Battery:	integrated, rechargeable Li-ion 12.8 V/3.0 Ah	integrated, rechargeable Li-ion 12.8 V/3.0 Ah
Autonomy:	60 h	60 h
Protection rating:	IP 55, control panel IP 65	IP 55, control panel IP 65
Weight:	24 kg	30 kg

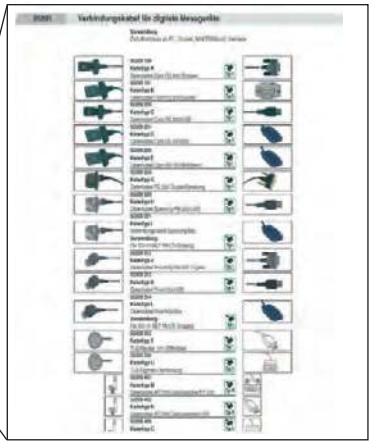
Measuring range mm	35074 ...
415	101
715	102

Info Connecting cable for transmitting measurement values from digital measuring instruments

Connecting cable for connecting to a PC, printer, MINITERM and interface can be found in **from page 35.12, art. no. 35200.**

In the catalogue, the different connection options for the digital measuring instruments are labelled with pictograms:





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35081 Digital height measuring devices MICRO-HITE 350/600/900

Design
- **Manually** adjustable, digital height measuring device
- Robust construction made of cast iron to ensure durability and long-term reliability of measurement results

Control panel
- Hybrid with colour touchscreen and keyboard
- Simplified keyboard for rapid familiarisation without complicated handling
- Adjustable control panel bracket for optimal reading of the screen at any time

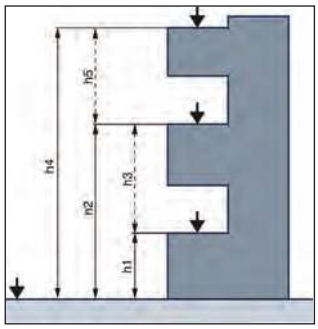
Autonomy
- Rechargeable and replaceable battery

Measurement
- Integration of patented QUICKCENTER technology for fast and simple measurement of the reversal points
- Advanced functions for a multifunction device suitable for a wide range of different users
- Online contextual help, which prevents complicated use and poor results
- Clear results to reduce possible errors due to poor evaluation of the indicated results

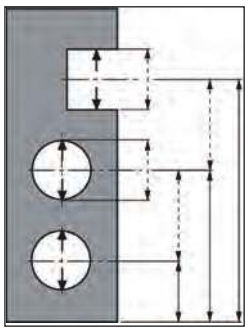
SCS calibration certification
- An SCS certificate is provided free of charge so that any additional costs for recalibration immediately after purchase can be avoided

35081 102

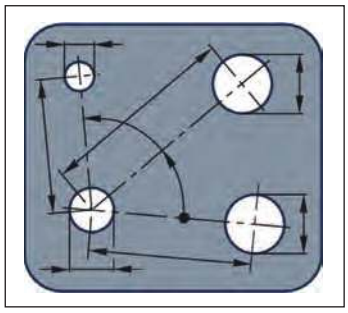
Measuring in one probe direction



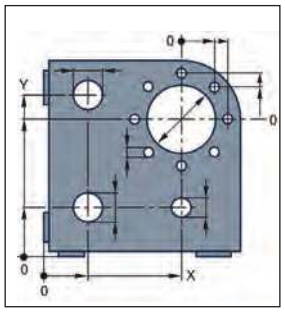
Measuring in two probe directions



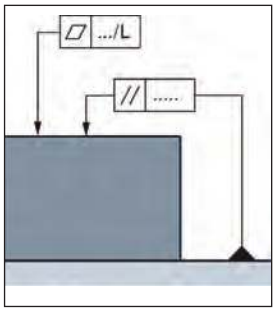
Angle measurement in two dimensions



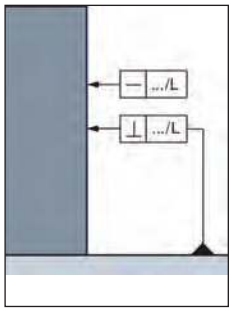
Measuring in two coordinate directions



Measuring parallelism and flatness



Measuring perpendicularity and straightness



Technical data:	35081 101 (HITE 350)	35081 102 (HITE 600)	35081 103 (HITE 900)
Measuring range:	350 mm	600 mm	900 mm
Maximum application area:	0–520 mm	0–770 mm	0–1075 mm
Error limit:	(2+2 L) µm = (L in m)	(2+2 L) µm = (L in m)	(2+2 L) µm = (L in m)
Repeatability on a flat surface (2δ):	≤ 1 µm	≤ 1 µm	≤ 1 µm
Repeatability in holes (2δ):	≤ 1 µm	≤ 1 µm	≤ 1 µm
Perpendicularity tolerance (frontal):	7 µm	9 µm	11 µm
Constant contact force:	1.6 N +/- 0.25 N	1.6 N +/- 0.25 N	1.6 N +/- 0.25 N
Air cushion:	x	x	x
Resolution:	0.0001/0.001/0.01 mm	0.0001/0.001/0.01 mm	0.0001/0.001/0.01 mm
Autonomy:	8 h	8 h	8 h
Weight with control panel:	33 kg	37 kg	45 kg

Measuring range mm	35081 ...
350	101
600	102
900	103

Digital height measuring devices

35082 Digital height measuring devices MICRO-HITE plus M 350/600/900

Design
- **Motorised,** digital height measuring device
- Robust construction made of cast iron to ensure durability and long-term reliability of measurement results

Control panel
- Hybrid with colour touchscreen and keyboard
- Simplified keyboard for rapid familiarisation without complicated handling
- Adjustable control panel bracket for optimal reading of the screen at any time

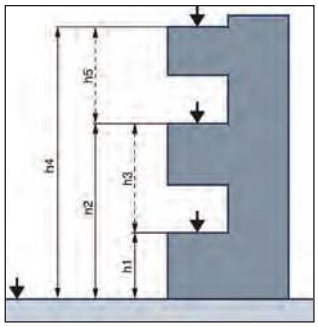
Autonomy
- Rechargeable and replaceable battery

Measurement
- Integration of patented QUICKCENTER technology for fast and simple measurement of the reversal points
- Advanced functions for a multifunction device suitable for a wide range of different users
- Online contextual help, which prevents complicated use and poor results
- Clear results to reduce possible errors due to poor evaluation of the indicated results

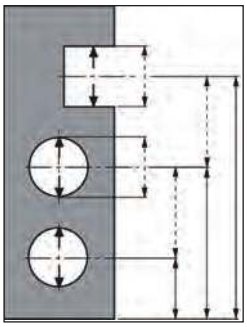
SCS calibration certification
- An SCS certificate is provided free of charge so that any additional costs for recalibration immediately after purchase can be avoided

35082 102

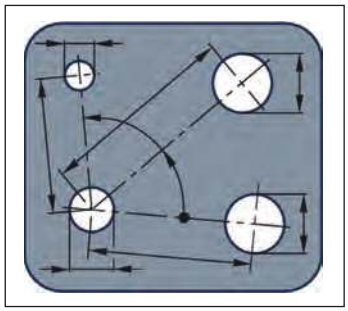
Measuring in one probe direction



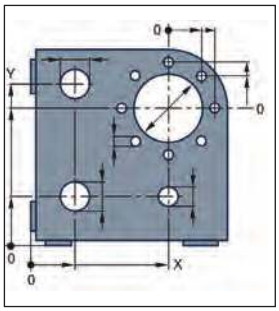
Measuring in two probe directions



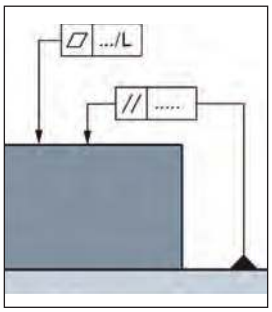
Angle measurement in two dimensions



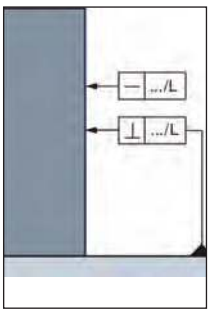
Measuring in two coordinate directions



Measuring parallelism and flatness



Measuring perpendicularity and straightness



Technical data:	35082 101 (HITE plus M 350)	35082 102 (HITE plus M 600)	35082 103 (HITE plus M 900)
Measuring range:	350 mm	600 mm	900 mm
Maximum application area:	0–520 mm	0–770 mm	0–1075 mm
Error limit:	(1.8+2 L) µm = (L in m)	(1.8+2 L) µm = (L in m)	(1.8+2 L) µm = (L in m)
Repeatability on a flat surface (2δ):	≤ 0.5 µm	≤ 0.5 µm	≤ 0.5 µm
Repeatability in holes (2δ):	≤ 1 µm	≤ 1 µm	≤ 1 µm
Perpendicularity tolerance (frontal):	7 µm	9 µm	11 µm
Constant contact force:	1.6 N +/- 0.25 N	1.6 N +/- 0.25 N	1.6 N +/- 0.25 N
Air cushion:	x	x	x
Resolution:	0.0001/0.001/0.01 mm	0.0001/0.001/0.01 mm	0.0001/0.001/0.01 mm
Autonomy:	8 h	8 h	8 h
Weight with control panel:	33 kg	37 kg	45 kg

Measuring range mm	35082 ...
350	101
600	102
900	103

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35088 Accessories for height measuring devices MICRO-HITE plus M

35088 104
Probe insert holder
Applications
Specially designed for lever gauge probes TESATAST.

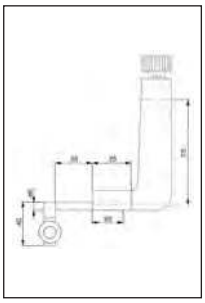
35088 105
Gauge slides set
Design
Supplied in plastic case with:
1 gauge slide holder,
1 probe rod for turned grooves, centring points, blind bores,etc., angled 8°, steel, hardened,
1 probe rod for depth measurements, cylindrically offset, steel, hardened,
3 gauge slides with steel ball, hardened, Ø 0.9 / 1.9 / 2.9 mm,
1 gauge slide with spherical measuring surface, Ø 8 mm, steel, hardened,
2 extensions, length 20 mm, thread M 3 to M 3 and length 20 mm, thread M 3 to M 2.5.

35088 106
Measuring probe IG-13
Design
With opto-electronic measuring system and glass scale with incremental graduation.
Comprising:
1 TESA measuring probe IG-13, measuring range 13 mm, resolution of the measuring signal 0.0005 mm, accuracy 1 µm, measuring force 0.45 N at zero and 0.75 N on the stop.
1 mount for TESA measuring probe IG-13.
Applications
For measuring shape and positional deviations, particularly when recording perpendicularity and straightness deviations. Only possible in combination with Power Panel plus M control panels.

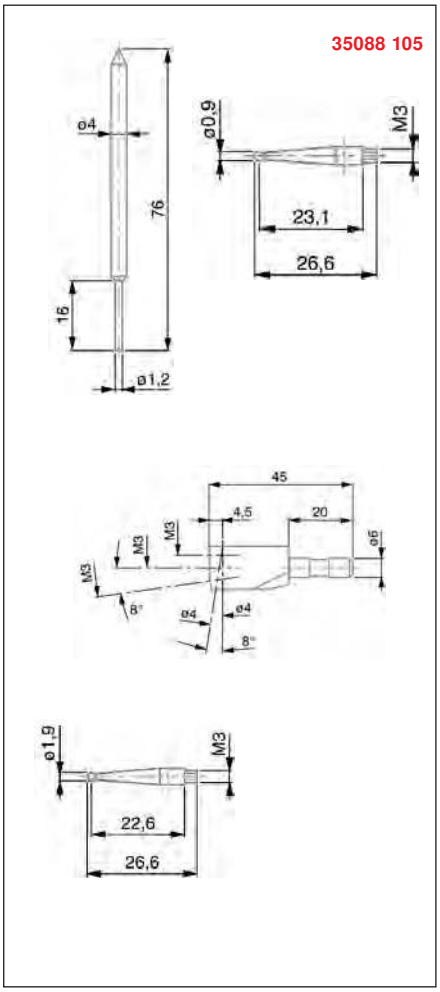
35088 108
Large accessory kit, 20 pieces
Design
Supplied in plastic case with:
1 gauge slide with cemented carbide ball, Ø 3 mm,
1 gauge slide with cemented carbide ball, Ø 10 mm, gauge slides with barrel-shaped cemented carbide measuring surface for cyl. holes and for determining the position of metric female threads,
1 piece Ø 2.2 mm (for M 3 to M 16),
1 piece Ø 4.5 mm (for M 6 to M 48),
1 piece Ø 9.7 mm (for M 12 to M 150),
gauge slides with cemented carbide disc, for grooves, turned grooves, centring shoulders, etc.,
1 piece E = 1 mm / Ø 4.5 mm,
1 piece E = 2 mm / Ø 14 mm,
1 piece E = 3 mm / Ø 19 mm,
1 gauge slide with small cyl. carbide measuring surface, Ø 2 mm,
1 probe insert holder for TESATAST probe inserts (thread M 1.4) and gauge slides M 2.5, probe inserts TESATAST, cemented carbide ball, thread M 1.4
1 piece Ø 1 mm,
1 piece Ø 2 mm,
1 piece Ø 3 mm,
1 key,
1 gauge slide with cyl. measuring surface (Ø 10 mm, length 12 mm) basic body made of stainless steel, hardened, measuring surface made of cemented carbide, gauge slide carrier for achieving greater measuring depth
1 piece for measuring depths up to 110 mm (L = 75 mm),
1 piece for measuring depths up to 185 mm (L = 150 mm),
1 gauge slide carrier to expand the application range,
1 gauge slide with probe rod, stainless steel, hardened, one flat and one ball-shaped measuring surface each made of cemented carbide, replaceable probe rod.

35088 109
USB printer
Applications
The optional printer can be connected to the control panel of the MICRO-HITE height measuring devices to receive and print data automatically.

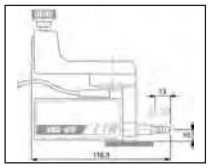
35088 104



35088 105



35088 106



35088 109

	35088 ...
Probe insert holder	104
Gauge slides set	105
Measuring probe IG-13	106
Large accessory set 20 pieces	108
USB printer	109 NEW

Digital height measuring devices

35090 Digital height measuring devices Digimar 816 CL

Mahr

Basic measuring functions
- Probing at the bottom or top
- Bar width or groove distances incl. bar or groove centre
- Hole or shaft diameter incl. hole or shaft centre
- Reversal point holes (top or bottom)
- Reversal point shaft (top or bottom)
- Calculate distances or symmetry
- Dynamic measurement functions
- Measurement programme
- Measurement data processing

Control and display unit
- Easy-to-read graphic LCD display with backlight
- Clear function keys
- Language-neutral navigation using self-explanatory symbols
- Set an additionally zero point quickly
- Measured value storage of up to 99 values

Measuring system
- Optical incremental measuring system with double reading head for outstanding precision and reliability
- Dynamic probe system for high repeatability
- Air bearing system for easy, jerk-free movement
- Precise measuring head guide on stainless steel guide rails
- Simple measuring operations thanks to motorised measuring slides
- Integrated temperature sensor with temperature compensation
- Probe constant is maintained after switching off
- Integrated rechargeable battery with high operating time for battery-powered measurement

Scope of delivery:
- Height measuring device incl. operating and display element
- Carrier 817 h1
- Gauge slide K6/51
- Setting block 817 eb
- Charging unit
- Protective cover
- Calibration certificate
- Operating instructions

35090 101-102

Technical data:	35090 101	35090 102
Measuring range:	350 mm	600 mm
Application range from – to:	170 - 520 mm	170 - 770 mm
Error limit:	(2.8+3 L) µm (L in mm)	(2.8+3 L) µm (L in mm)
Repeatability limit, level (2δ):	2 µm	2 µm
Repeatability limit, hole (2δ):	3 µm	3 µm
Max. deviation from perpendicularity:	15 µm	20 µm
Resolution:	0.001 / 0.01 mm	0.001 / 0.01 mm
Measuring force (acoustic measuring signal):	1.0 N +/- 0.2 N	1.0 N +/- 0.2 N
Autonomy:	14 h	14 h
Rel. humidity, non-condensing:	65%	65%
Working temperature:	20°C	20°C
Operating temperature:	10–40°C	10–40°C

	Measuring range mm	Opto RS232C, USB	Weight kg	Cable length m	35090 ...
Height measuring device	**350**	x	25	-	**101**
Height measuring device	**600**	x	30	-	**102**
Data connection cable USB 2000 usb	-	-	-	2	**105**
Data connection cable RS232C 2000 r	-	-	-	2	**106**

= The specified prices are unit prices. Only sold in the specified packing units. Always specify number of units in order information.

35091 Digital height measuring devices Digimar 817 CLM

Mahr

Basic measuring functions
- Probing at the bottom or top
- Bar width or groove distances incl. bar or groove centre
- Hole or shaft diameter incl. hole or shaft centre
- Reversal point holes (top or bottom)
- Reversal point shaft (top or bottom)
- Calculate distances or symmetry
- Dynamic measurement functions
- Perpendicularity measurement
- Straightness measurement
- Measurement in 2D mode
- Measurement programme
- Statistical evaluation
- Measurement data processing

Control and display unit
- Large and clear function keys
- Easy-to-read graphic LCD display with backlight
- Operator guidance via self-explanatory icons
- Operator guidance in several languages
- Option of setting additional zero points on the workpiece
- Additional measuring instrument with Opto RS232 interface can be connected
- Future-proof thanks to update capability
- Automatic stand-by switching
- Adjustable auto-off function (without loss of measured values)

Measuring system
- Optical incremental measuring system with double reading head for outstanding precision and reliability
- Dynamic probe system for high repeatability
- Air bearing system for easy, jerk-free movement
- Precise measuring head guide on stainless steel guide rails
- Simple measuring operations thanks to motorised measuring slides
- Probe constant is maintained after switching off
- Integrated rechargeable battery with high operating time for battery-powered measurement
- Temperature compensation via integrated temperature sensor

Scope of delivery:
- Height measuring device incl. operating and display element
- Carrier 817 h1
- Gauge slide K6/51
- Setting block 817 eb
- Charging unit
- USB cable
- Protective cover
- Calibration certificate
- Operating instructions

35091 101-103

- Measurement programme for series parts

Control panel with backlit graphic display

Technical data:	35091 101	35091 102	35091 103
Measuring range:	350 mm	600 mm	1000 mm
Application range from – to:	170–520 mm	170–770 mm	170–1170 mm
Error limit:	(1.8+6 L) µm (L in mm)	(1.8+6 L) µm (L in mm)	(1.8+6 L) µm (L in mm)
Repeatability limit, level (2δ):	0.5 µm	0.5 µm	0.5 µm
Repeatability limit, hole (2δ):	1 µm	1 µm	1 µm
Max. deviation from perpendicularity:	5 µm	6 µm	9 µm
Resolution:	0.0005 / 0.0001 / 0.005 / 0.001 / 0.01 mm	0.0005 / 0.0001 / 0.005 / 0.001 / 0.01 mm	0.0005 / 0.0001 / 0.005 / 0.001 / 0.01 mm
Measuring force (acoustic measuring signal):	1.0 N +/- 0.2 N	1.0 N +/- 0.2 N	1.0 N +/- 0.2 N
Autonomy:	16 h	16 h	16 h
Rel. humidity, non-condensing:	65%	65%	65%
Working temperature:	20°C	20°C	20°C
Operating temperature:	10–40°C	10–40°C	10–40°C

	Measuring range mm	RS232C	Weight kg	Cable length m	35091 ...
Height measuring device	**350**	x	25	-	**101**
Height measuring device	**600**	x	30	-	**102**
Height measuring device	**1000**	x	35	-	**103**
Adapter cable RS232-USB	-	-	-	1	**107**

Accessories for digital height measurement devices

35092 Measuring probe sets Digimar 817 ts1/2 for digital height measuring devices

Mahr

35092 101
Digimar 817 ts1
Design
- Large accessory set
- In a practical plastic case

35092 101

Set contents of Digimar 817 ts1 (art. no. 35092 101)	
1	carrier for gauge slides, location hole 6 mm (817 h2)
1	disc gauge slide Ø 15 mm (S15/31.2)
1	cylinder gauge slide Ø 10 mm (Z10/31.2)
1	cone gauge slide Ø 30 mm (MKe30)
1	depth gauge (TMT 120)
1	holder including gauge slide 800 ts Ø 2 mm (KM 2)
1	carrier for gauge slides, location hole 8 mm (817 h4)
1	ball measuring insert Ø 4 (K 4/30)
1	ball measuring insert Ø 6 (K 6/40)
1	ball measuring insert Ø 10 (K 10/60)
1	ball measuring insert Ø 10 (K 10/100)

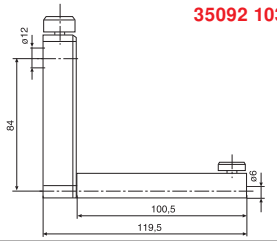
35092 102
Digimar 817 ts2
Design
- Small accessory kit
- In a practical plastic case

35092 102

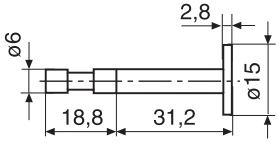
Set contents of Digimar 817 ts2 (art. no. 35092 102)	
1	carrier for gauge slides, location hole 6 mm (817 h2)
1	disc gauge slide Ø 15 mm (S15/31.2)
1	cylinder gauge slide Ø 10 mm (Z10/31.2)
1	cone gauge slide Ø 30 mm (MKe30)
1	depth gauge (TMT 120)
1	holder including gauge slide 800 ts Ø 2 mm (KM 2)

Type	Set 35092	...
Digimar 817 ts1		101
Digimar 817 ts2		102

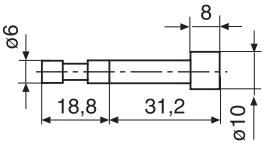
35092 103



35092 104



35092 105



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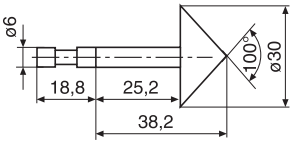
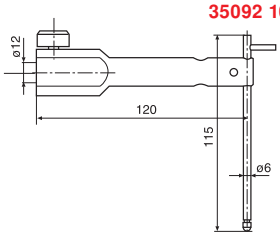
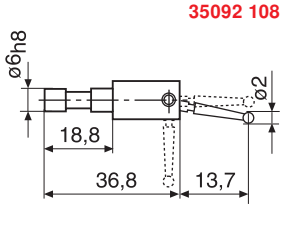


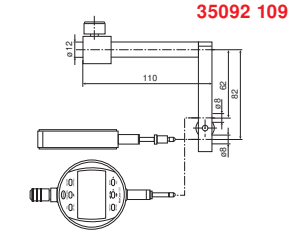
35092 107



35092 108



35092 109



	Individual 35092	...
Support for gauge slides 817 h2		103
Disc gauge slide Ø 15 mm S15/31.2		104
Cylinder gauge slide Ø 10 mm Z10/31.2		105
Cone gauge slide MKe 30		106

	Individual 35092	...
Depth gauge TMT 120		107
Holder incl. gauge slide 800 ts Ø 2.0 mm KM 2		108
Carrier for perpendicularity measurement 817 h3		109
Measuring probe P1514 H		110

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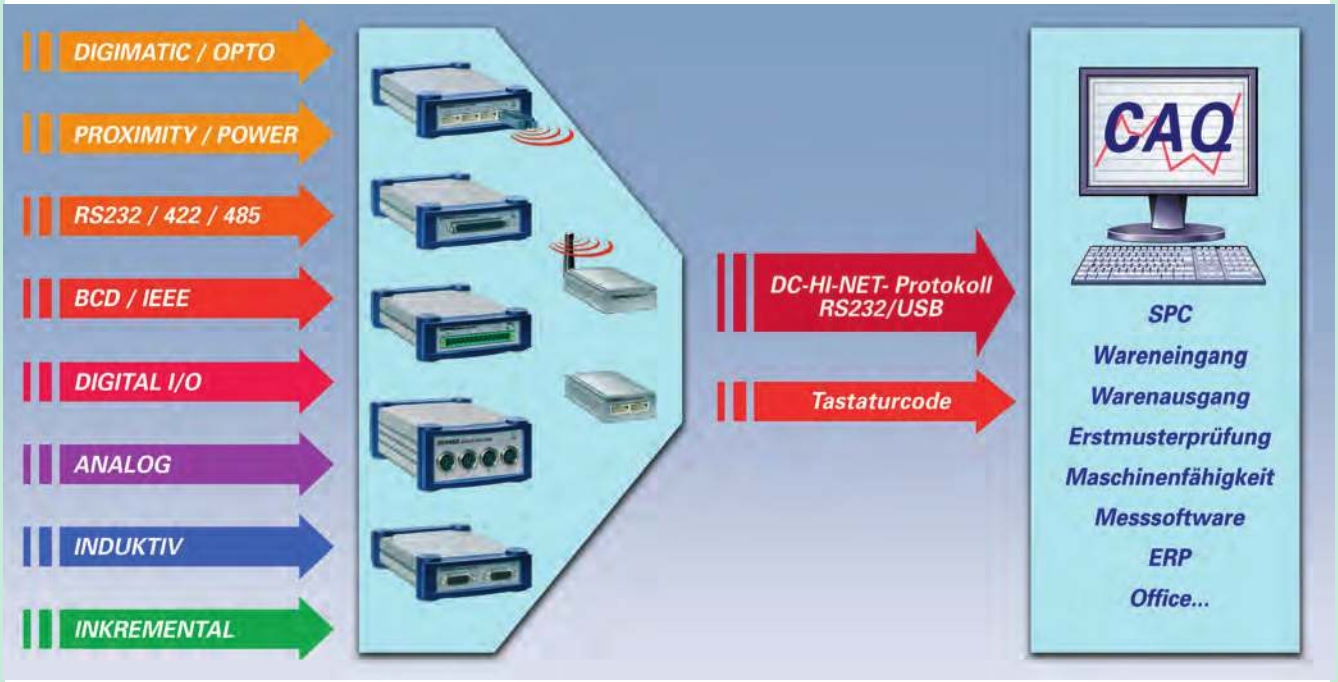
Info

Measurement data acquisition

- Interfaces for 2000 different measuring instruments
- Compatible with over 50 CAQ/ERP/MES systems
- Wireless measuring equipment connection
- Dynamic measurement data processing
- Multi-point measurement
- Measurement value transfer in Office applications
- PC connection via RS232, USB and keyboard (HID)



DC-HI-NET „bt"

Wireless measuring equipment connection via Bluetooth® via USB or STEINWALD interfaces!

SINGLE Mx-K

Simple data acquisition via keyboard interface (HID) in any software – without additional drivers!

Connecting cable for digital measuring instruments

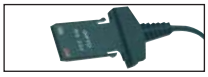
35200 Connecting cable for digital measuring instruments

Applications
For connecting to PC, printer, MINITERM and interface.


35200 100
Cable type A
Data cable Opto RS 232 simplex
Typ A


35200 101
Cable type B
Data cable Opto RS 232/duplex
Typ B


35200 303
Cable type C
Data cable Opto RS 232/USB
Typ C




35200 201
Cable type D
Data cable Opto RS 232/Box
Typ D

Applications
For DC-HI-NET MULTI input


35200 204
Cable type G
Data cable RS 232 duplex/feed
Typ G


35200 309
Cable type H
Data cable feed RS 232/USB
Typ H


35200 311
Cable type I
Date cable feed/box
Applications
For DC-HI-NET MULTI input
Typ I


35200 312
Cable type J
Data cable proximity/RS 232 duplex
Typ J


35200 313
Cable type K
Data cable proximity/USB
Typ K


35200 314
Cable type L
Data cable proximity/box
Applications
For DC-HI-NET MULTI input
Typ L

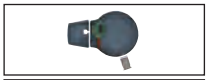

35200 401
Cable type M
Data cable ATORN data variable/RS 232
Typ M


35200 402
Cable type N
Data cable ATORN data variable/USB
Typ N

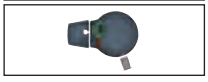

35200 403
Cable type O
Data cable ATORN data variable/box DIGIMATIC
Typ O


35200 307
Cable type R
Interface adapter with DIGIMATIC signal line
Typ R


35200 308
Cable type S
Interface adapter with USB signal line
Typ S




35200 318
Cable type R1
Interface adapter with DIGIMATIC signal line
Typ R1




35200 317
Cable type S1
Interface adapter with USB signal line
Typ S1

Cable type	Cable length m	35200	...
A	2		100
B	2		101
C	2		303
D	2		201
G	2		204
H	2		309

Cable type	Cable length m	35200	...
I	2		311
J	3		312
K	3		313
L	2		314
M	2		401
N	2		402

Cable type	Cable length m	35200	...
O	2		403
R	2		307
S	2		308
R1	2		318 NEW
S1	2		317 NEW

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35200 Connecting cable for digital measuring instruments (Mahr)

Mahr

35200 404
Cable type V
Applications
For connecting the measuring instrument to an interface box or a PC. Data transmission in MarCom or via virtual COM interface to other applications.

35200 405 + 407
Cable type W + F
Applications
For connecting Digimatic-compatible interfaces and evaluation devices.

35200 406
Cable type X
Applications
For connecting the measuring instrument to a PC. Data transmission in MarCom or via virtual COM interface to other applications.
Scope of delivery:
- USB cable, drivers, MarCom Standard software

35200 410
i-Stick wireless receiver
Design
- 3-channels
- 8 emitter modules per stick
- 2400 MHz frequency band
- Incl. MarCom Standard software 3.1

35200 411
Cable type Z
Applications
Adapter cable USB for foot switch 16 ESf.

35200 412
Foot switch 16 ESf
Applications
For measurement value transfer.

35200 413
USB hub 7-way
industrial version

35200 404 | 35200 405+407

35200 406 | 35200 410

	Cable type	Cable length m	35200	...
Adapter cable RS232C 16 EXr	V	2.0		404
Adapter cable Digimatic 16 EWd	W	2.0		405
Adapter cable USB 16 EXu	X	2.0		406
Adapter cable Digimatic 2000 d	F	2.0		407
Wireless receiver i-Stick	-	-		410

	Cable type	Cable length m	35200	...
Adapter cable USB	Z	0.1		411
Foot switch 16 ESf	-	-		412
USB hub, 7-way	-	-		413
Adapter cable USB duplex DK-U1	P	2.0		415
Adapter cable Digimatic duplex DK-D1	Q	2.0		416

35200 Connecting cable for digital measuring instruments (Tesa)

TESA

35200 315
Cable type T
- TLC connector with USB cable

35200 316
Cable type U
- TLC Digimatic connection

35200 501
Wireless transmitter TLC-BLE

35200 502
Wireless receiver
Comprising:
- USB dongle receiver and 2 m extension cable
Applications
A USB dongle can be used with 8 measuring instruments. Reception can be optimised using the 2 m extension cable, e.g. if the computer is under or behind the workbench/work surface.

35200 503
Starter kit
Comprising:
- 1 wireless transmitter (art. no. 35200 501)
- 1 wireless receiver with 2 m extension cable (art. no. 35200 502)

35200 504
Adapter cable Opto-RS232/TLC
Design
- With reclosable fastener for attaching to the transmitting unit
- Without Bluetooth® transmitter
Applications
All devices with Opto-RS232 or TLC output can be easily upgraded to Bluetooth® technology.

35200 315 | 35200 316

35200 501 | 35200 502

35200 503 | 35200 504

	Cable type	Cable length m	35200	...
Adapter cable TLC/USB	T	2.0		315
Adapter cable TLC/Digimatic	U	2.0		316
TLC-BLE transmitter	-	-		501 NEW

	Cable type	Cable length m	35200	...
USB dongle receiver	-	-		502 NEW
TLC-BLE starter kit	-	-		503 NEW
Adapter cable Opto RS 232/TLC	-	2.0		504 NEW

Info TESA data viewer

TESA

Free software for managing data, recorded with TESA measuring instruments.

Free download at tesatechnology.com

- Instruments are detected and connected automatically
- Compatible with most TESA instruments
- Bar graph display with adjustable tolerance
- 8 languages available