HEIGHT GAUGESHi_Cal, Hi_Gage ONE & Z5

Specially developed and optimized for use in production lines, HI_CAL offers a great efficiency thanks to its large screen which can simultaneously display diameters and centerlines.

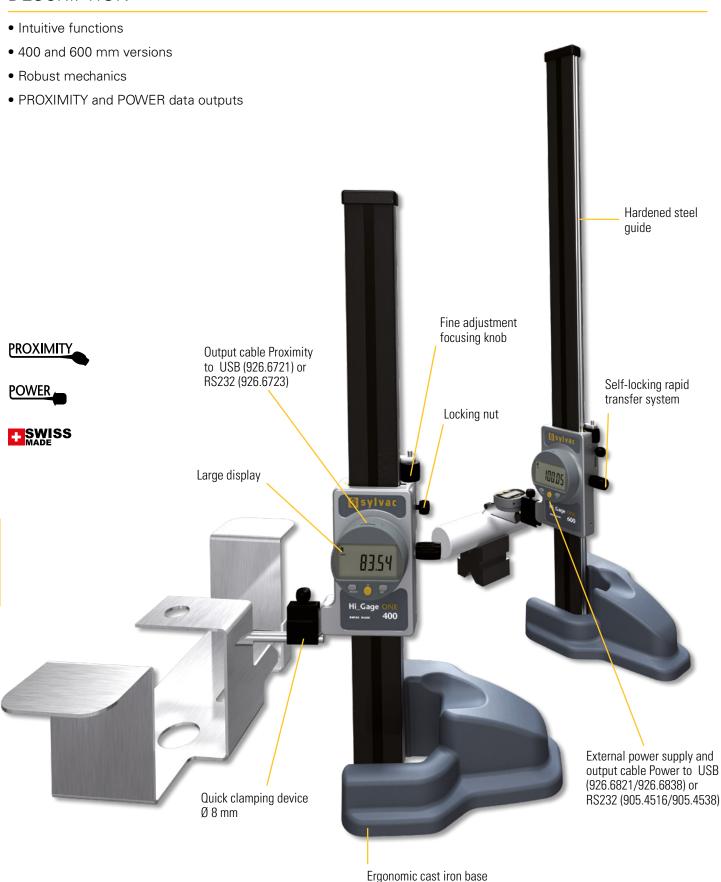
Its principal advantages consist in its ease of use, reduced dimensions of its base, its great lightness, the compatibility of the accessories with the instruments of the previous generation and the two travel speeds which offer a great comfort during the measurement of small diameters.





Hi_Gage ONE

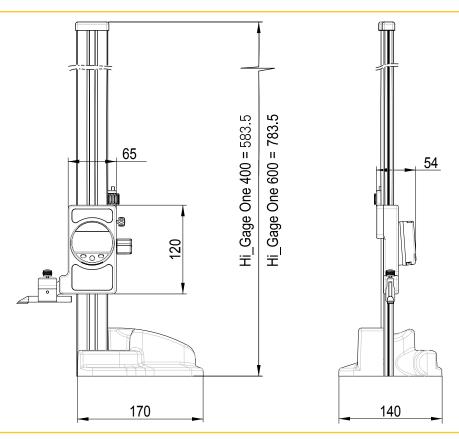
DESCRIPTION





Hi_Gage ONE

DIMENSIONAL DRAWINGS

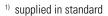


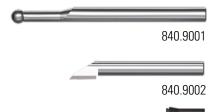
TECHNICAL SPECIFICATIONS

		840.0400	840.0600		
Measurement range mm		400	600		
Resolution	mm	0.01	0.01		
Max. error	μm	40	50		
Repeatability	μm	10 1)	10 1)		
2 references		•	•		
PRESET		9999.99			
Selection of measuring direction		•			
Smart Inductive Sensor (S.I.S)		•			
Output data		USB / RS232			
1) ± 1 digit					

ACCESSORIES

	Description
840.9001	Ball probe Ø8 mm
840.9002 1)	Tracing probe
905.2247	Clamping stem



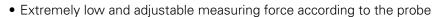




Hi_Cal

DESCRIPTION

- Intuitive functions
- Great mobility
- Measurement of internal and external diameters, centerlines, heights, thicknesses, depths, surfaces
- 150, 300 and 450 mm range
- Data output USB and RS232



• No influence of the operator on the measurement results

• Battery life: 40 hours



mini-USB

SWISS MADE

Output cable RS232 to USB (925.1142) or RS232 (925.5609) or output cable mini-USB to USB (926.6001)

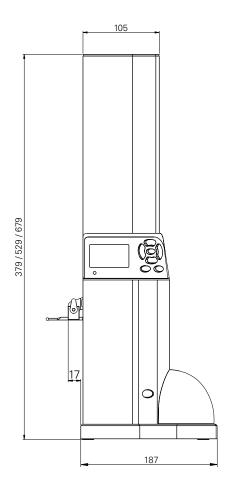
Reduced base area for effective Programmable multiuse close to the machine functional key

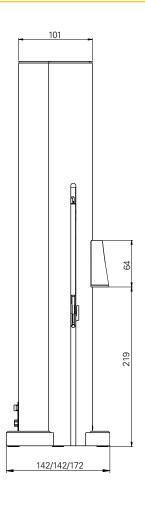
Switch on and measure!



Hi_Cal

DIMENSIONAL DRAWINGS





DISPLAYS

- Measuring unit and actives reference
- Display of measuring value
- Active measuring mode
- Centerline display
- **5** Dynamic measuring mode
- **6** Diameter / height measurement
- Access to setting menu
- **8** Selection of reference Ref I / Ref II
- ON / OFF Switch
- Ball probe constant
- Validation / Initialization of min, max mode
- Luminous indication of valide measurement



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Hi_Cal

TECHNICAL SPECIFICATIONS

		830.0150	830.0300	830.0450
Measuring range	mm	150	300	450
Application range	mm	0 - 155	0 - 320	0 - 470
Max. Error	μm		2.5 + L / 175 ¹⁾	
Repeatability	μm		2	
Resolution	mm		0.01 / 0.001	
Velocity	mm/s		50 / 100	
Measuring force	N		0.2 - 0.3	
Self-contained use	h		>40	
Height	mm	379	529	679
Weight	kg	3.9	4.6	6.8
Weight of the standard probe		7.5g, possibility of using 0-15g or 10-25g ²⁾ probes		
Output data		USB / RS232 3)		
Programmable by PC			•	
Zero setting			•	
Min / max / delta			•	
PRESET function			•	
2 references			•	
Height measurement, Ø and centerlines			•	
2 types of progressive speed			•	

¹⁾ With standard probe, in laboratory conditions

BASIC INSTRUMENT

- Loose cover Hi_Cal 150 (930.6001)
- Loose cover Hi_Cal 300 (930.6002)
- Loose cover Hi_Cal 450 (930.6005)
- Charging set (904.42001) /01/03/04/05)
- Ruby ball probe Ø 3 mm
- Setting gauge
- Calibration certificate
- Instruction manual

²⁾ With adjustement of the measuring force

³⁾ See cables chapter

¹⁾ according to country

sylvac

Height gauge

Hi_Cal

APPLICATIONS



Depth measurement with accessories 930.2108 and 930.2105



Depth measurement with accessories 930.2108 and 905.2204



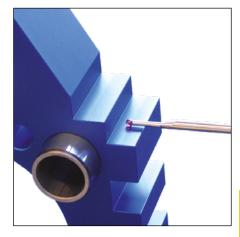
Internal measurement with ruby ball probe Ø 3 mm, 930.2101 (standard)



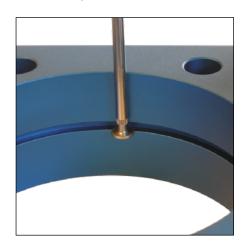
Internal groove measurement with accessories 930.2108, 930.2110 and 905.2207



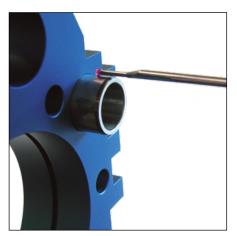
Taking the probe constant value with the setting bloc 930.2002 (standard)



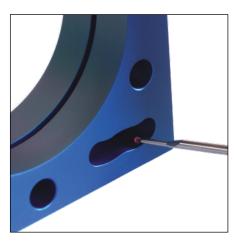
Heights and thicknesses measurements with the standard probe 930.2101



Internal groove measurement with accessories 930.2108, 930.2110 and 905.2205



External diameter measurement with the standard probe 930.2101

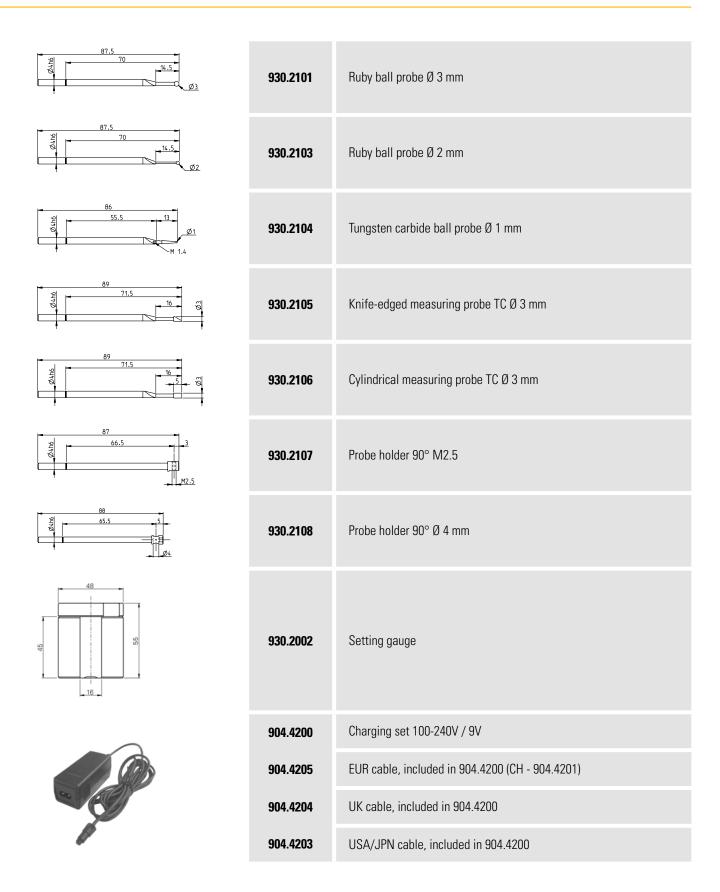


Min/Max/Delta measurements



Hi_Cal

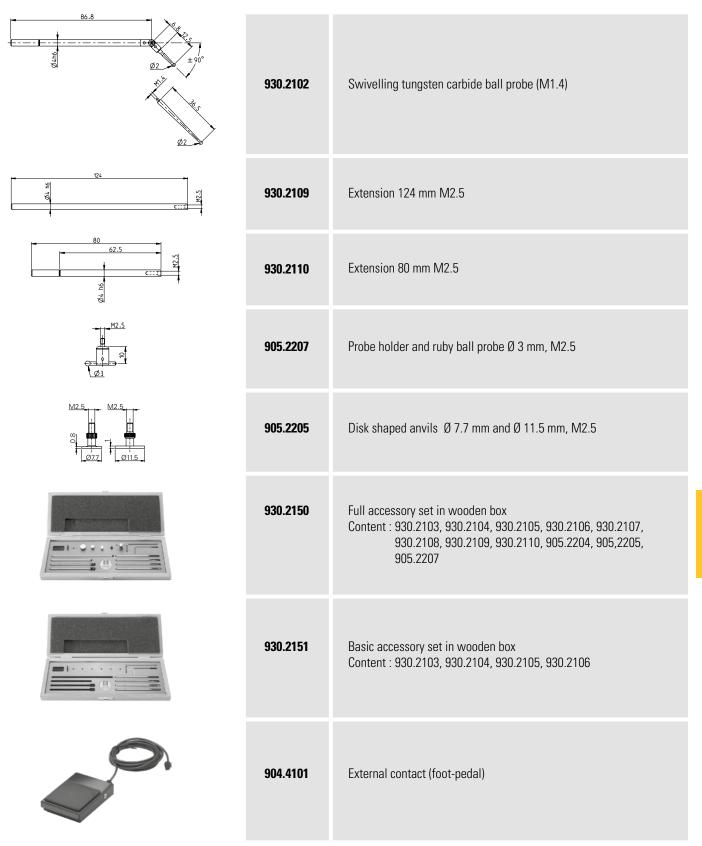
ACCESSORIES





Hi_Cal

ACCESSORIES



Hi_Cal

ACCESSORIES

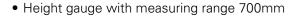


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Z5

DESCRIPTION



- Extremely easy to use
- Electronically adjustable measuring force
- Manual or motor-driven displacement
- Standard probes up to 300 mm
- Vast range of accessories
- All adjustments possible without tools
- Possibility of using a thermal printer (926.1830)
- Battery life: 12 hours





RS232

SWISS

Easy balance adjustment system

Interchangeable insert holder and probe



Output cable RS232 to RS232 (926.5505) or output cable mini-USB to USB (926.6001)

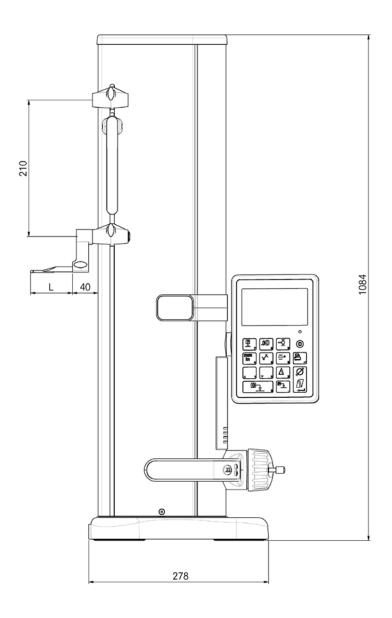


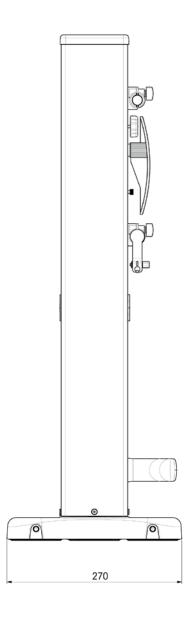
Cast iron base

Sylvac

Height gauge

DIMENSIONAL DRAWINGS





BASIC INSTRUMENT

- Instrument according to technical specifications
- Protection cover
- Charging set (904.4200¹⁾/01/03/04/05)
- Ruby ball probe Ø 4 mm
- Setting gauge
- Calibration certificate
- Instruction manual

¹⁾ according to country

Z5

TECHNICAL SPECIFICATIONS

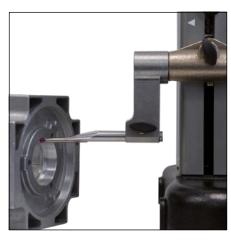
		936.0700
Measuring range	mm	711
Measuring range with extension	mm	1023
Max. Error	μm	2.5 + L / 300
Repeatability R _{MPE}	μm	2
Frontal squareness deviation \mathbf{S}_{MPE}	μm	8
Maximum resolution	mm	0.001
Measuring force	N	0.75 ÷ 1.5
Autonomy	h	12
Output data		USB / RS232
Air cushion		•
Weight	kg	24
Programmable by PC		•
Zero setting		•
Min / max / delta		•
PRESET function		•
Simultaneous display of diameters and centerlines		•
Thickness, chain and height measurements		•
Manual and motorised displacement		•

The above values have been determined according to ISO 13225, with the standard measuring insert.

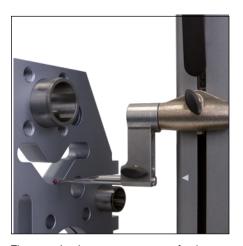
APPLICATIONS



Thickness, chain and height measurements



Simultaneous display of diameters and centerlines



The motorisation guarantees a perfectly constant measuring force

For the accessories, refer to Trimos website: www.trimos.com

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