# Hi_Cal 150/300/450mm

## THE BEST VERTICAL HEIGHT GAUGE ON THE MARKET

Hi_Cal 450

Hi_Cal 300

Hi_Cal 150

Swiss manufacturer of precision digital measuring instruments since 1969, SYLVAC has now developped a complete range of instruments to help you deal with all kind of applications.

## MOTORIZED

### OPERATOR FRIENDLY

### SMALL FOOTPRINT, BIG RESULTS !

+ SWISS MADE

# Switch on & measure !
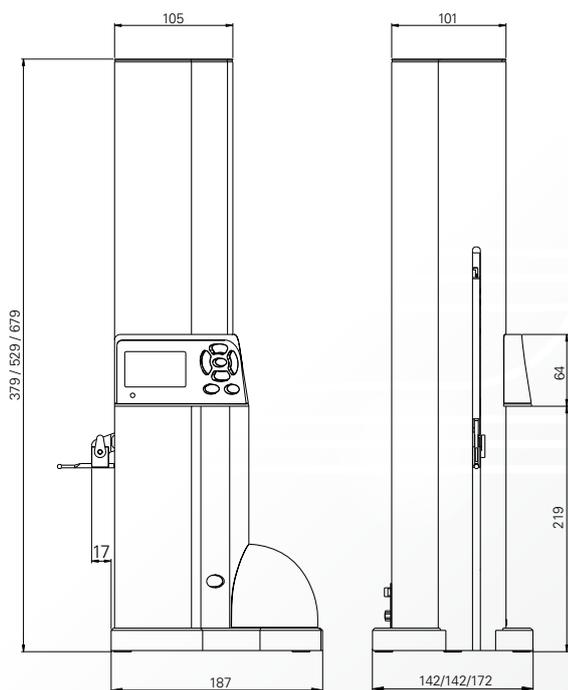
## Hi_Cal 150/300/450

- Intuitive functions
- Great mobility
- Measurement of internal and external diameters, centerlines, heights, thicknesses, depths, surfaces...
- 150, 300 & 450mm range
- Data output USB & RS232
- Extremely low measuring force
- No influence of the operator on the measurement results
- Battery life : 40 hours
- Probe constant value memorized even when switched off
- Motorized displacement paddle

## TECHNICAL SPECIFICATIONS

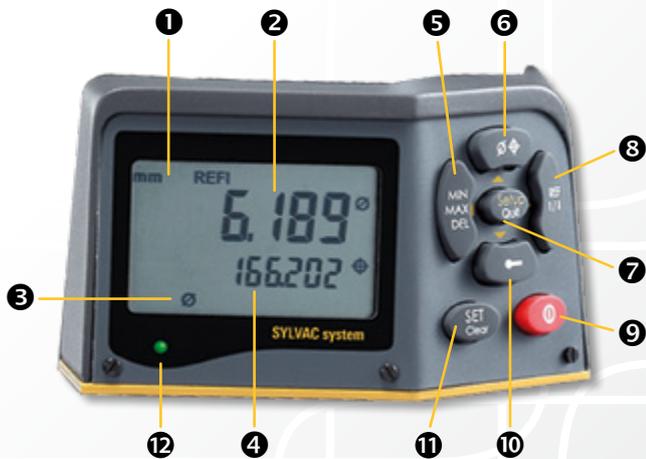|  |  | 830.0150 | 830.0300 | 830.0450 |
|---|---|---|---|---|
| Measuring range | mm | 150 | 300 | 450 |
| Application range | mm | 0 – 155 | 0 – 320 | 0 – 470 |
| Max. Error. | µm | 2.5 + L / 175[1] | | |
| Repeatability | µm | 2 | | |
| Resolution | mm | 0.01 / 0.001 | | |
| Velocity | mm/s | 50 / 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 |
| Connection | | USB (mini B) / RS232[2] | | |
| Functions | | Programmable by PC, zero setting, min/max/delta, preset, 2 references, heights, diameters and centerlines measurements, 2 progressive speeds | | |

[1] With standard probe, in laboratory conditions
[2] see cables chapter on the Sylvac catalogue

## DELIVERY

- Instrument according to technical specifications
- Charging set
- Ruby ball probe Ø3mm
- Setting gauge
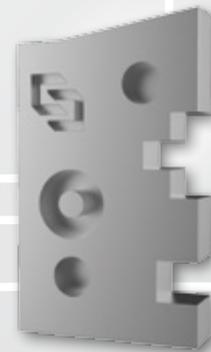- Calibration certificate
- Instrument manual

## DISPLAY



1) Measuring unit and actives reference    2) Display of measuring value

3) Active measuring mode    4) Centerline display    5) Dynamic measuring mode

6) Diameter / height measurement    7) Access to setting menu

8) Selection of reference Ref I / Ref II    9) ON / OFF Switch

10) Ball probe constant    11) Value setting / Initialization of min, max mode

12) Luminous indication of valide measurement

## ACCESSORIES

Anvils & full accessories available on the Sylvac catalogue.



930.2150 – Full accessory box.
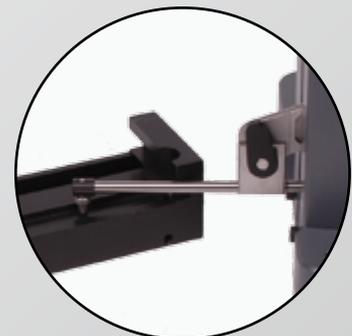


Demo piece                    Setting bloc
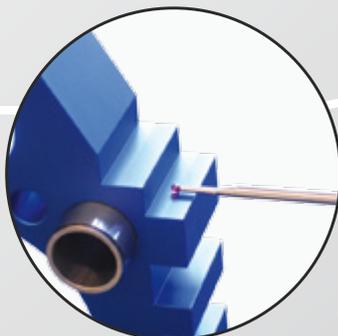
## APPLICATIONS



Depth measurement with accessories
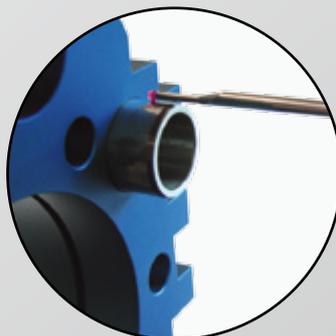930.2108 and 930.2105



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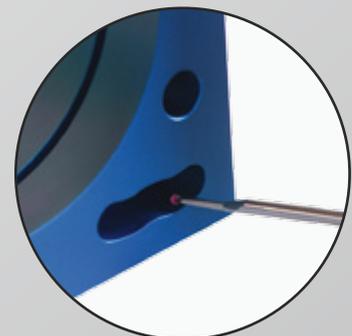probe Ø 3 mm, 930.2101 (standard)



Depth measurement with accessories
930.2107 and 905.2204



Heights and thicknesses measurements
with the standard probe 930.2101



External diameter measurement with
the standard probe 930.2101



Min/Max/Delta measurements

# INSTRUMENT

**Hi_Cal 150**

Aluminium profile
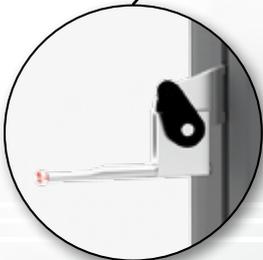
Large screen with multiple displays and ergonomic keyboard

Motorized displacement paddle

Fix clamping probe holder for interchangeable probe Ø4mm

Programmable multifunctional key