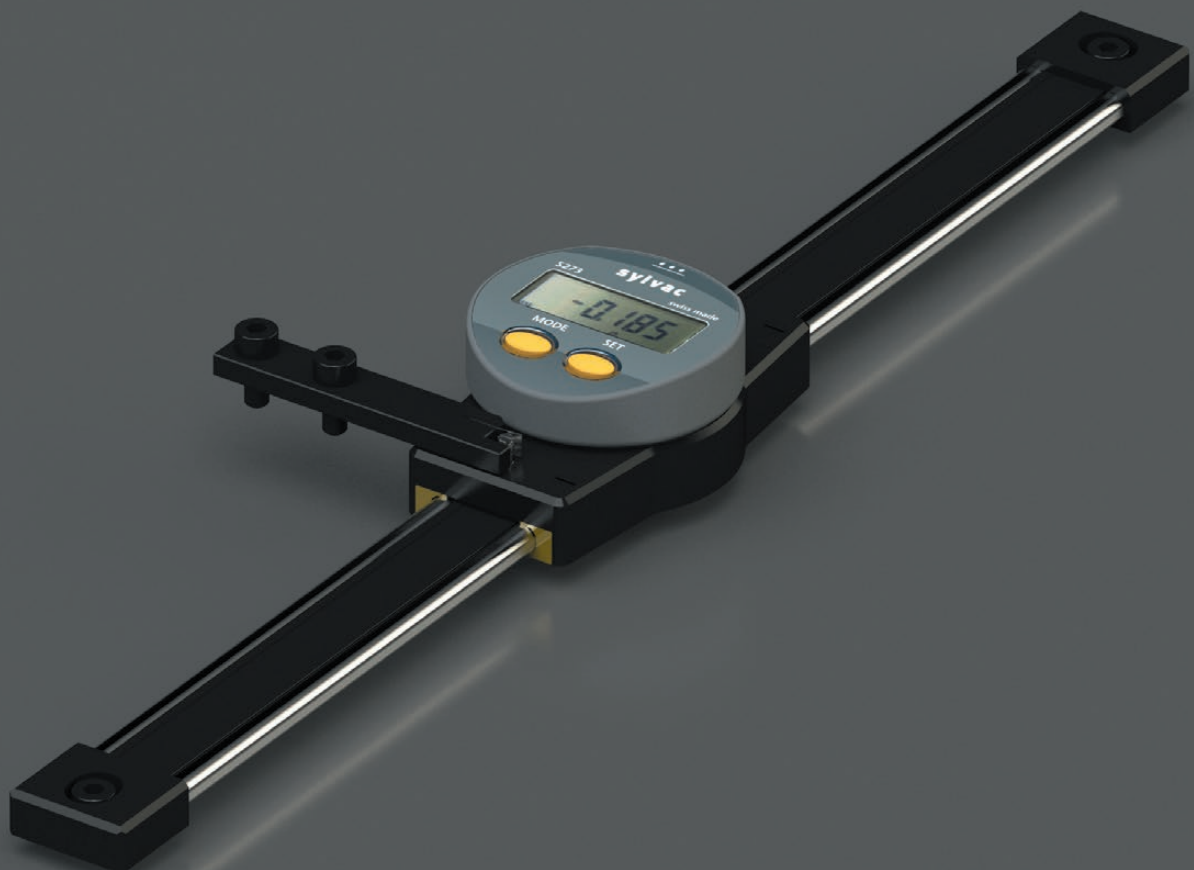


DIGITAL SCALES

SYLVAC manufactures horizontal and vertical digital scales. The measuring range goes up to 600mm, special measuring range on request. All the display units are equipped with a data output.

In complement with the digital scales, SYLVAC also offers two models of micrometer screws with digital display. They are conceived mainly for XY tables of microscopes and profile projectors. The 1 μ m resolution allows a high accuracy positioning.

Power supply: Lithium battery 3V, Type CR 2032
Operational temperature: +5 to +40°C
mm/inch conversion

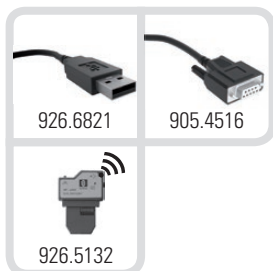
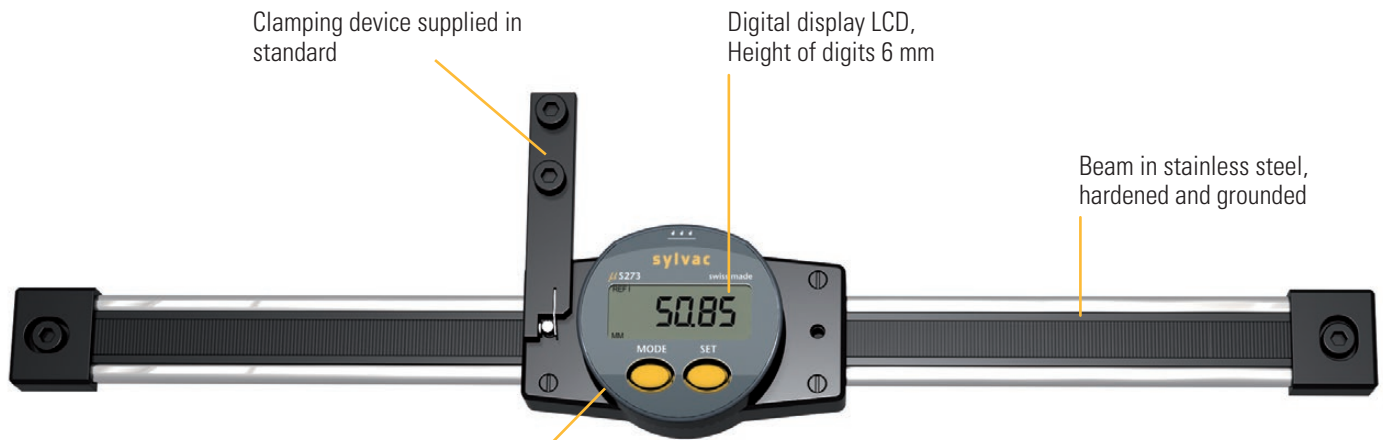


Digital scales

S_Scale WORK

DESCRIPTION

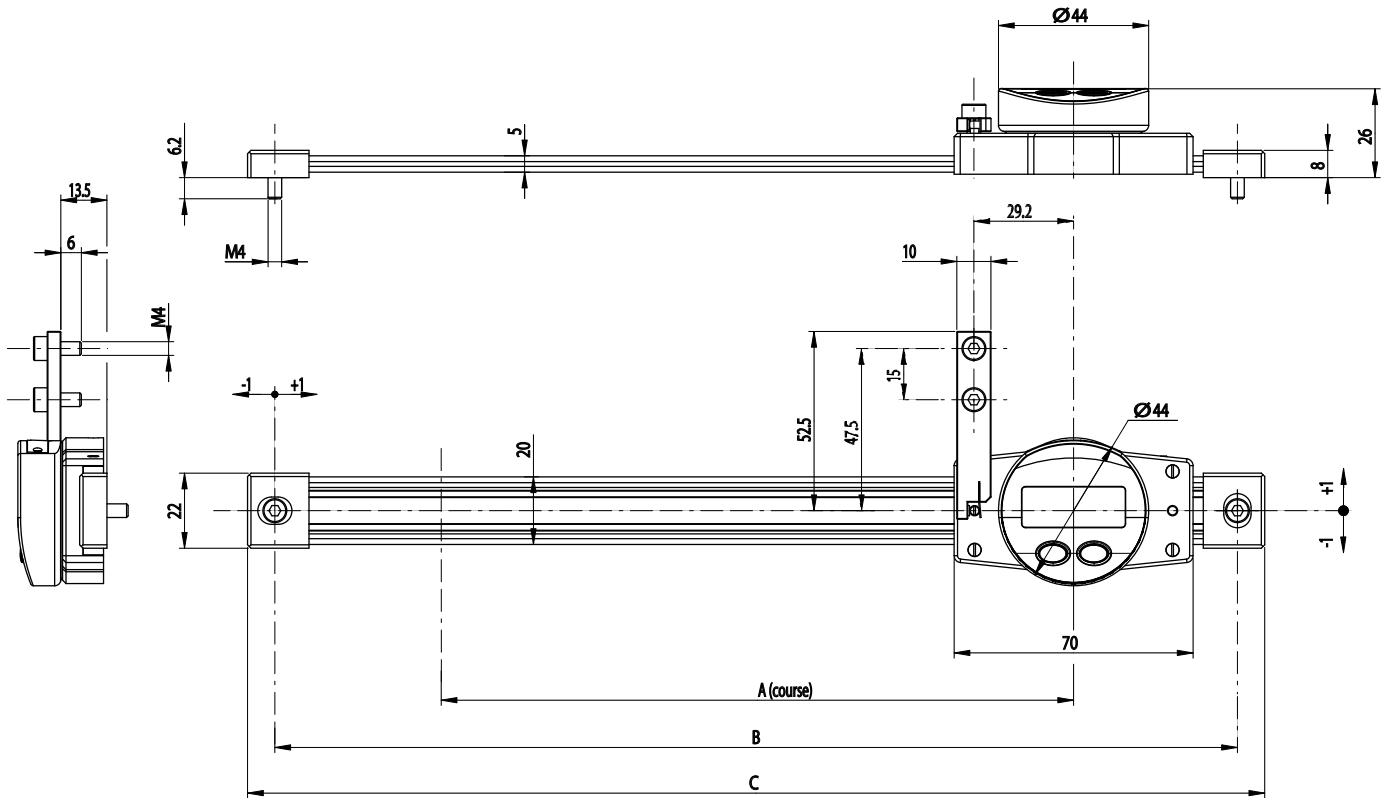
- Max displacement speed: 2 m/sec
- RS232 or USB Data output
- External power supply by Power cable
- Easy to integrate in your projects



Digital scales

S_Scale WORK

DIMENSIONAL DRAWINGS



TECHNICAL SPECIFICATIONS

		816.1015	816.1020	816.1030	816.1060
Measuring range	mm	150	200	300	600
Type		H / V	H / V	H / V	H / V
Max. Error	µm	20	20	30	30
Repeatability ¹⁾	µm	10	10	10	10
Resolution mm		0.01	0.01	0.01	0.01
A	mm	185	235	335	665
B	mm	282	332	432	762
C	mm	298	348	448	778
S_Connect : Power		USB / RS232 / Wireless ²⁾			
Selection of measuring direction		●			
PRESET function		●			
2 references		●			

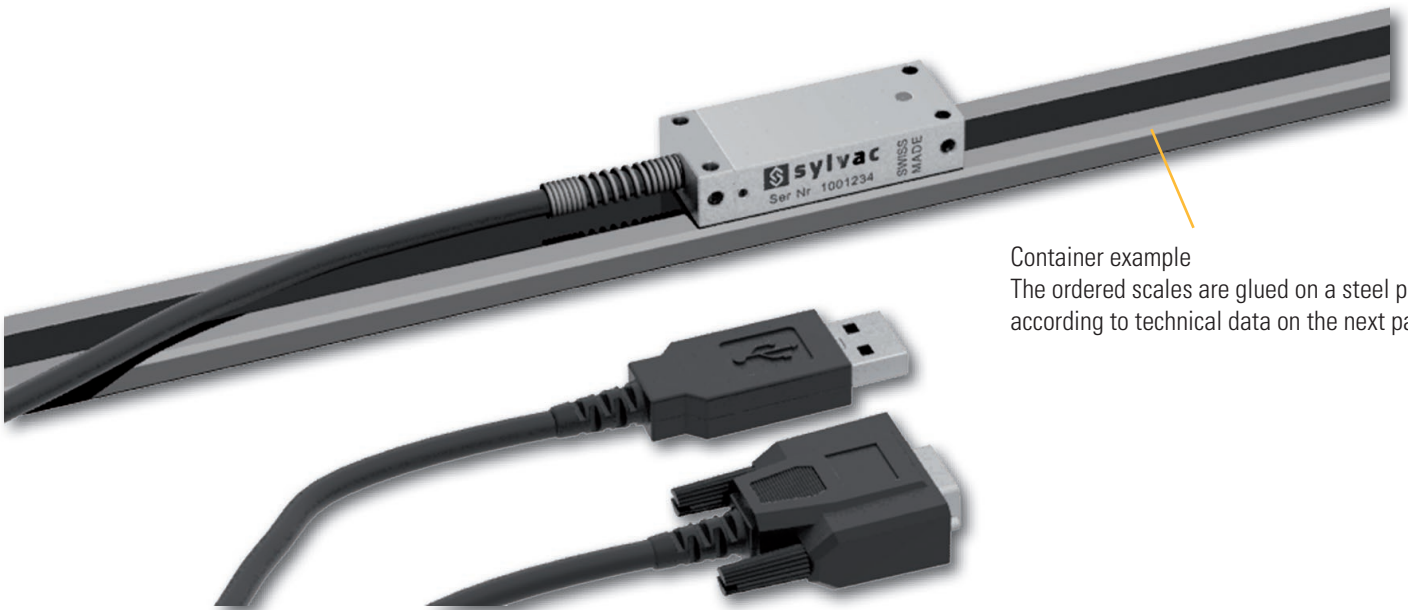
¹⁾ ± 1 digit

²⁾ see cables chapter

DESCRIPTION

Precision measuring set for new development and retro-fitting

- Easy to integrate in your projects
- Small overall dimensions
- USB or RS-232 connectivity
- Software development kit
- Software included
- Scale up to 1140 mm
- Max error of device $7\mu\text{m} / 1\text{m}$
- Programmable by PC



Container example
The ordered scales are glued on a steel plate according to technical data on the next page



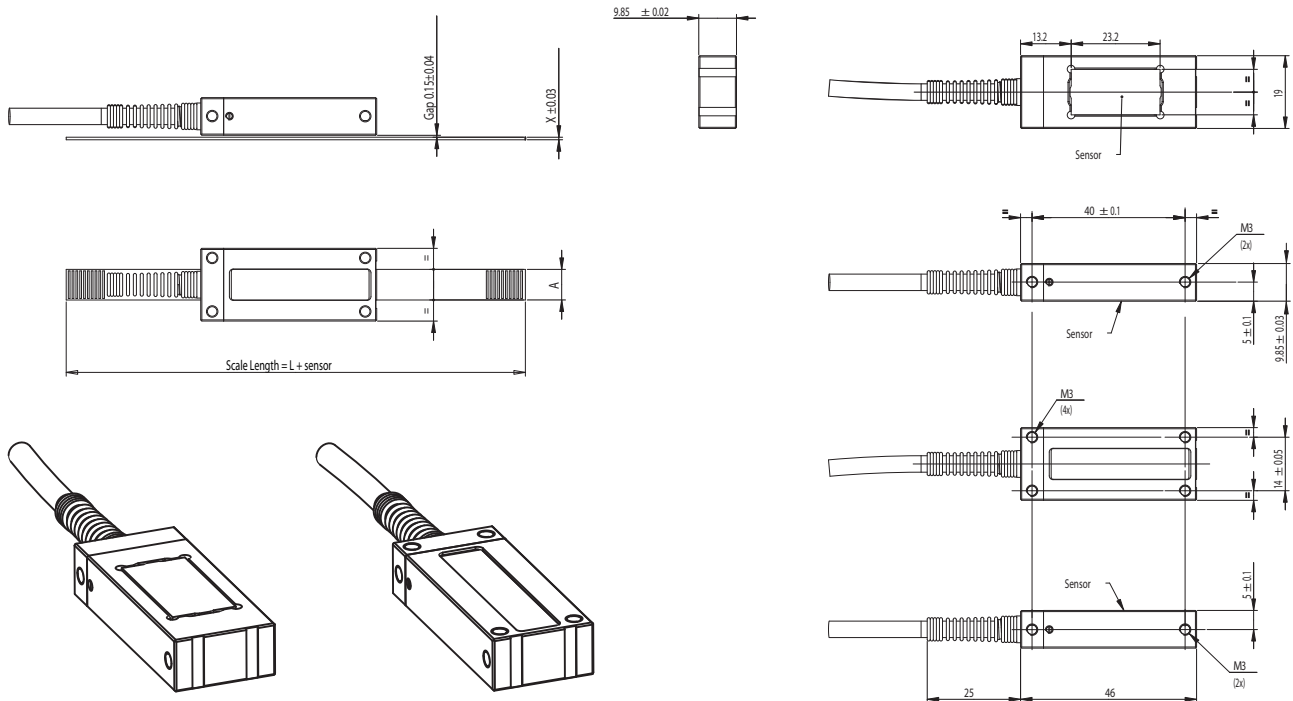
IP67



Digital scales

S_System LIN

DIMENSIONAL DRAWINGS



TECHNICAL SPECIFICATIONS

Sensors		813.1001	813.1011	813.1101	813.1111
Max. error ¹⁾	µm	3	3	5	5
Repeatability ²⁾	µm	2			
Data output		USB	RS-232	USB	RS-232
Protection rating according to IEC 60529		IP 67			
Programmable by PC		●			

Scales		REGF 5.XXXX	REGG 5.XXXX	REGF 1.XXXX	REGG 1.XXXX
Max. error ¹⁾	µm	L / 300	L / 300	L / 150	L / 150
Width A	mm	8	12.45	8	12.45
Thickness X	mm	0.68	0.58	0.68	0.58
Scale pitch	mm	1.000			
Max length L	mm	1140			

¹⁾ Max error of a set = Max. error sensor + max. error scale (according to length)

²⁾ Repeatability of a set : 2 µm

Example: order number of scale:

REGF 5.0300

Scale type  Length in mm

Digital scales

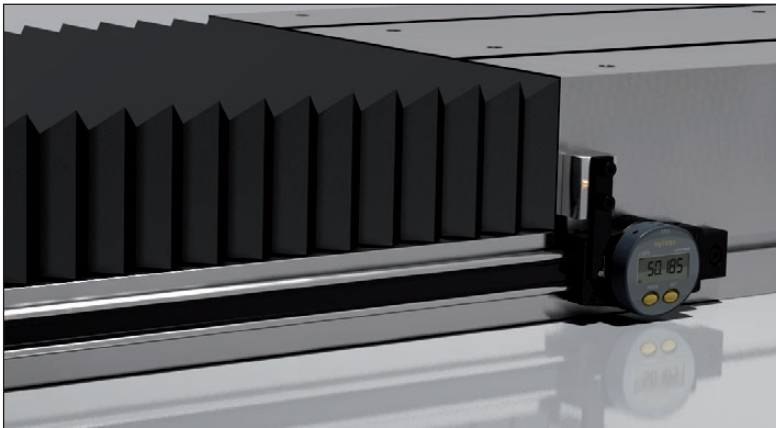
BASIC INSTRUMENT | DIGITAL SCALES

- Instrument according to technical specifications
- Lithium battery CR2032 included
- Instruction manual
- Clamping device 916.1901

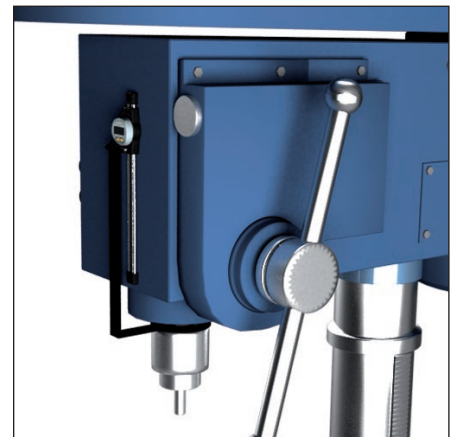
BASIC INSTRUMENT | S_SYSTEM LIN

- Instrument according to technical specifications
- Instructions of assembly
- Instruction manual

APPLICATIONS



S_Scale WORK mounted on a linear table

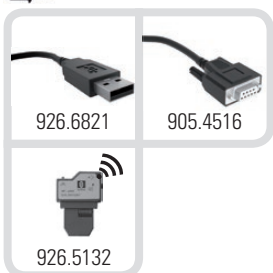
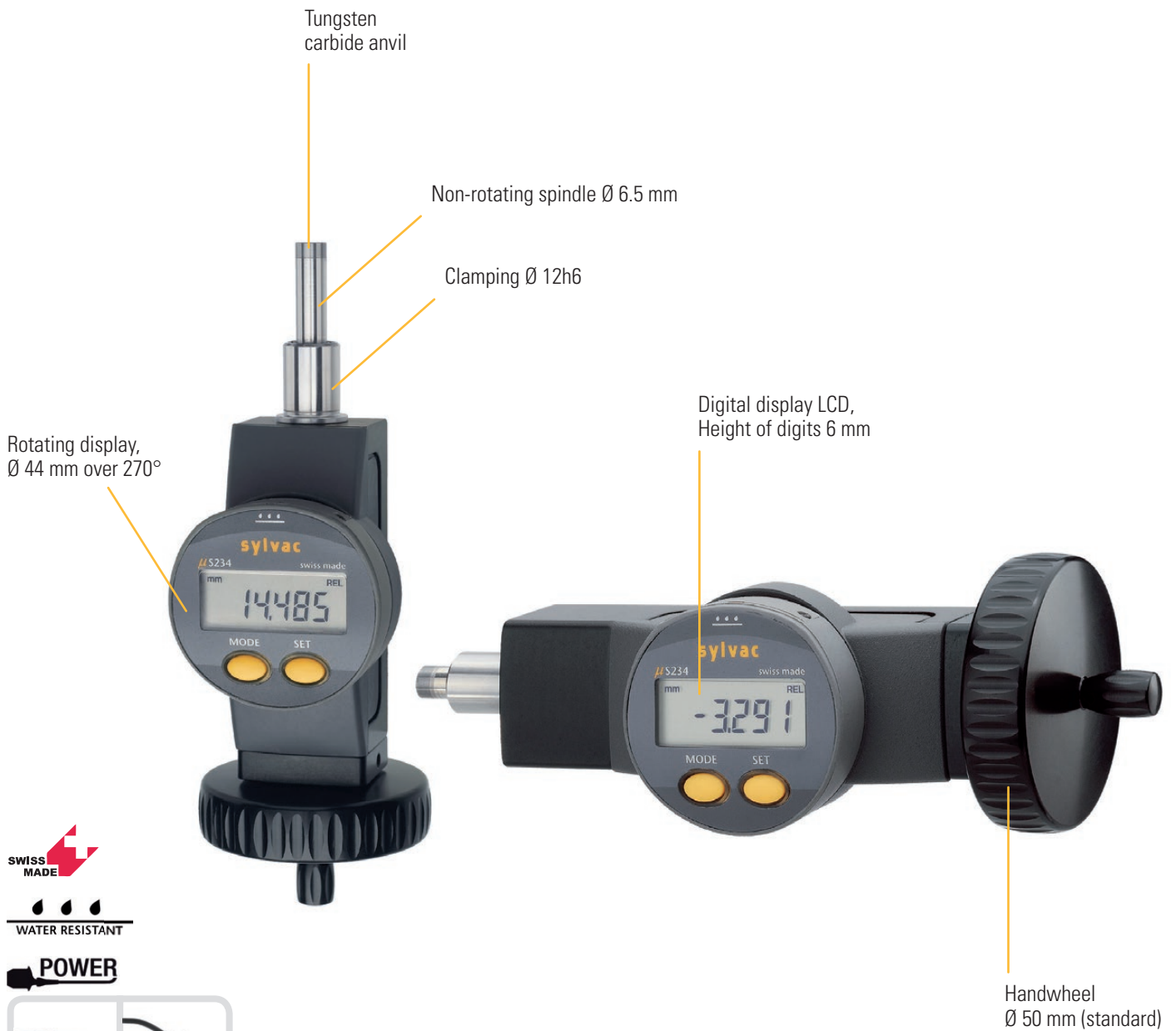


Retro-fitting on a column drilling machine with Z measuring axis

Digital micrometer screws

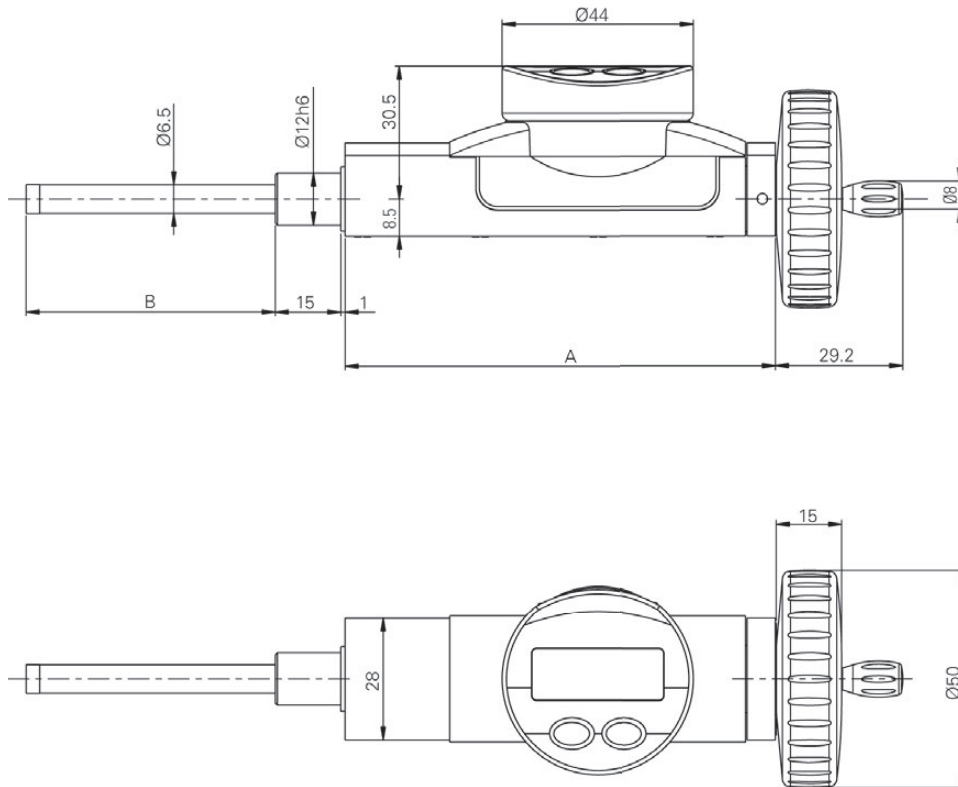
DESCRIPTION

- Data output RS232, combined with external power supply
- Fine adjustment available (accessories)
- Horizontal and Vertical use (same type)
- Reduced dimensions (compact)
- Other handwheels on request



Digital micrometer screws

DIMENSIONAL DRAWING



TECHNICAL SPECIFICATIONS

		852.2001	852.2011
Measuring range	mm	0-25	0-50
Max. Error	µm	5	8
Repeatability	µm	2	2
Resolution	mm	0.001	0.001
A	mm	74.5	98.5
B	mm	33.1	57.1
S_Connect : Power	USB / RS232 / Wireless ¹⁾		
Selection of measuring direction	●		
PRESET function	●		
Absolute or relative measurement	●		

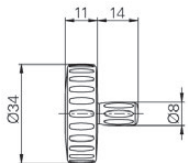
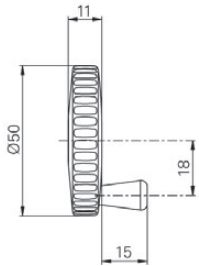
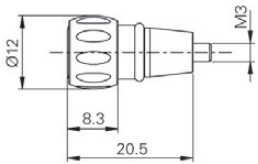
¹⁾ see cables chapter

Digital micrometer screws

BASIC INSTRUMENT

- Instrument according to technical specifications
- Lithium battery CR2032 included
- Instruction manual
- Handwheel Ø 50 mm (852.2311)
- Calibration certificate

ACCESSORIES



852.2310

Fine adjustment device

852.2311

Handwheel Ø 50 mm with crank handle for fast motion

852.2312

Handwheel Ø 34 mm

APPLICATIONS



Fine adjustment device type 852.2310



Use on measuring microscope