

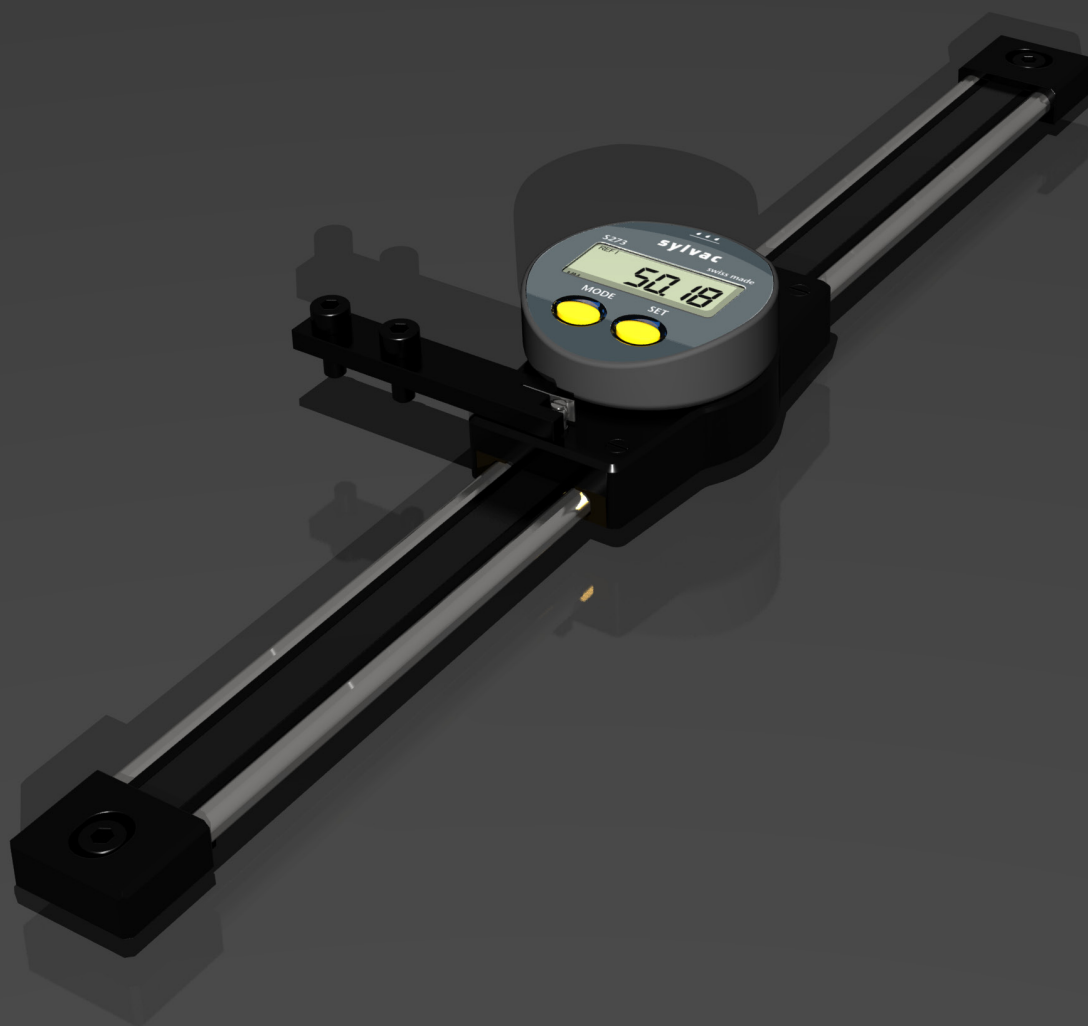
# DIGITAL SCALES

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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 $\mu$ m resolution allows a high accuracy positioning.

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

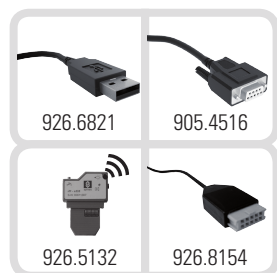
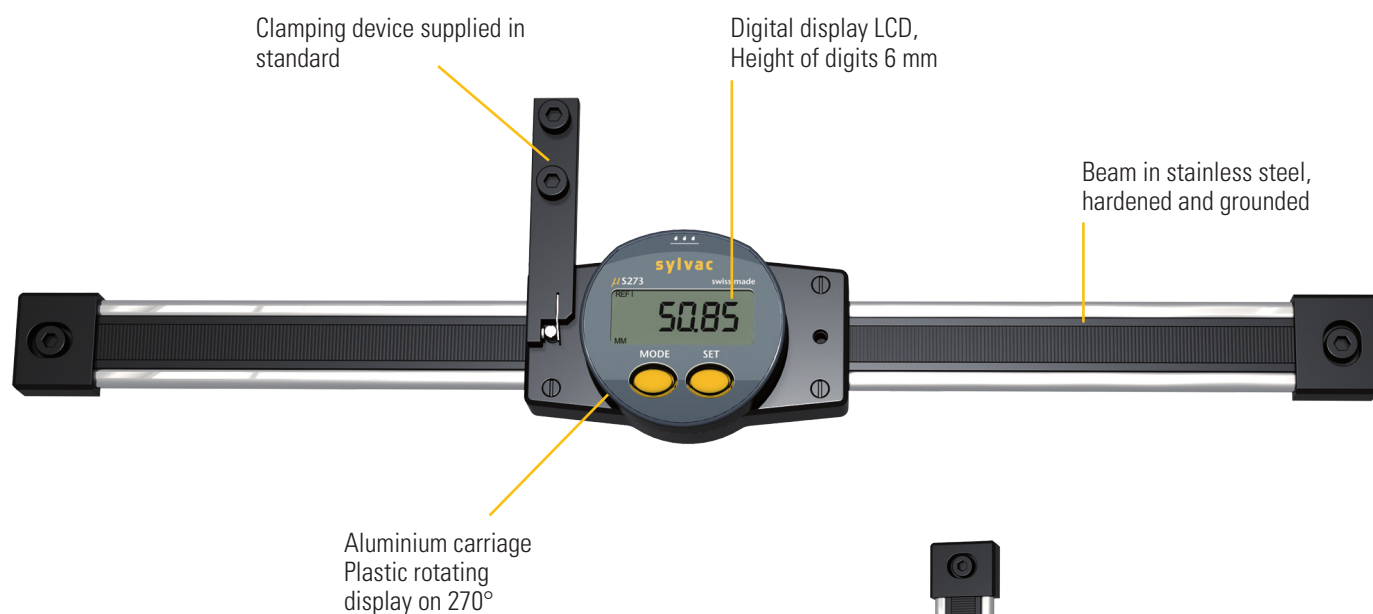


# Digital scales

# 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

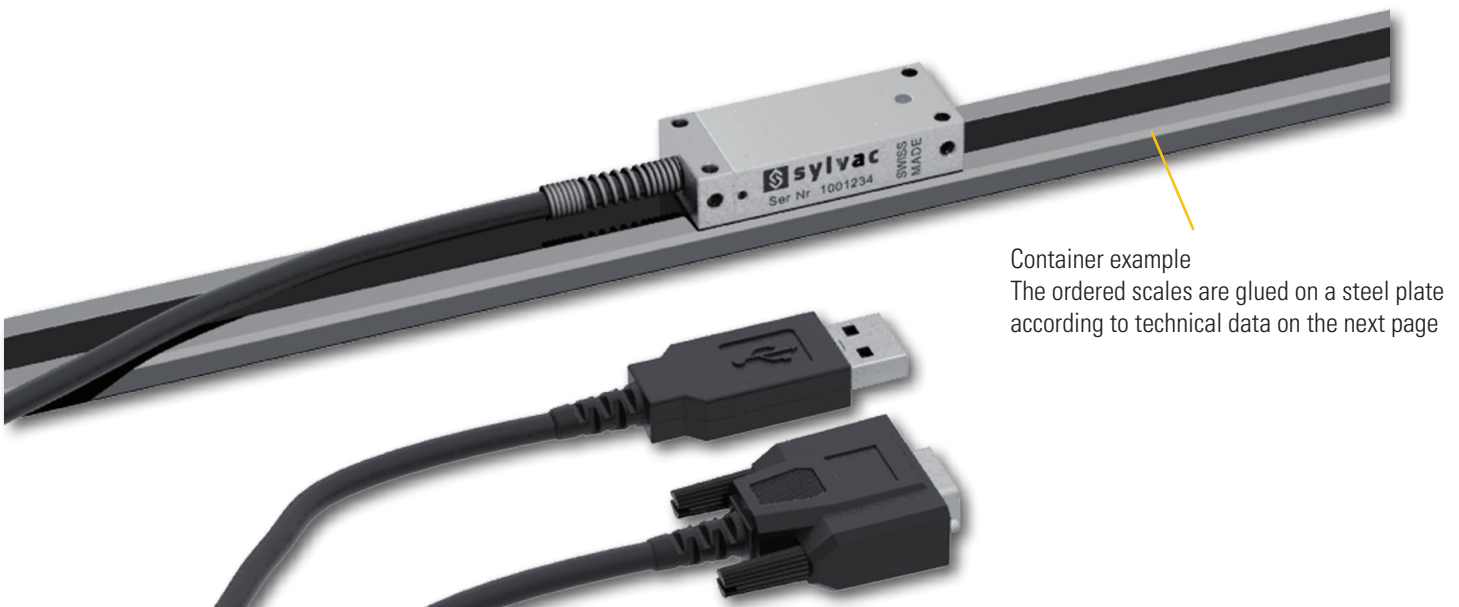




## DESCRIPTION

### 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



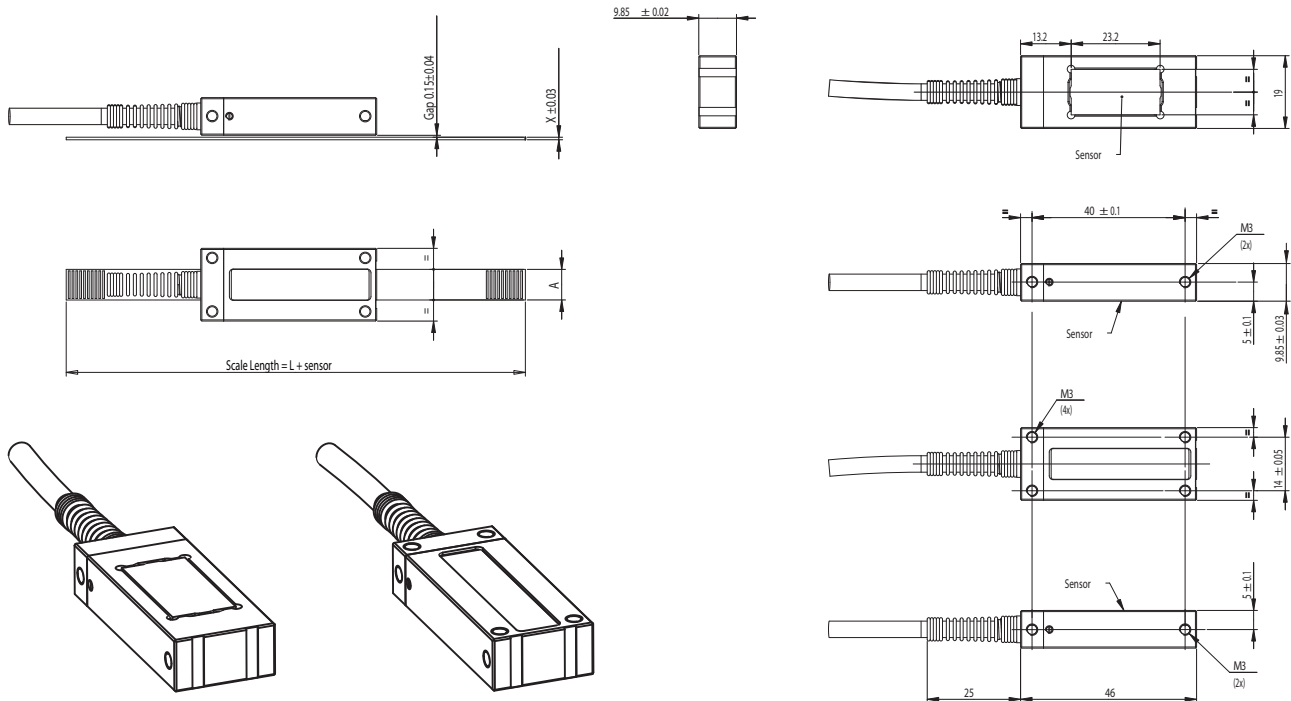
**IP67**



# Digital scales

# S\_System LIN

## DIMENSIONAL DRAWINGS



## TECHNICAL SPECIFICATIONS

| Sensors                                  |    | 813.1001 | 813.1011 | 813.1101 | 813.1111 |
|------------------------------------------|----|----------|----------|----------|----------|
| Max. error <sup>1)</sup>                 | µm | 3        | 3        | 5        | 5        |
| Repeatability <sup>2)</sup>              | 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 <sup>1)</sup> | 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        |             |             |             |

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

<sup>2)</sup> Repeatability of a set : 2 µm

Example: order number of scale:

**REGF 5.0300**

Scale type  Length in mm

# Digital scales

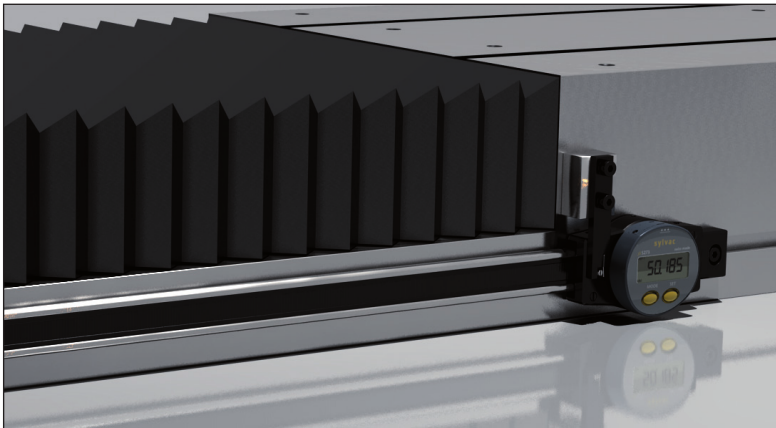
## BASIC INSTRUMENT | DIGITAL SCALES

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

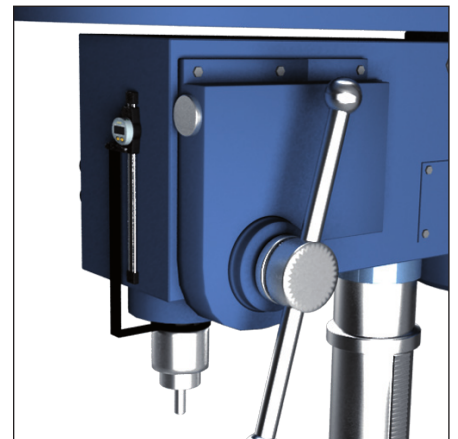
## BASIC INSTRUMENT | S\_SYSTEM LIN

- 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