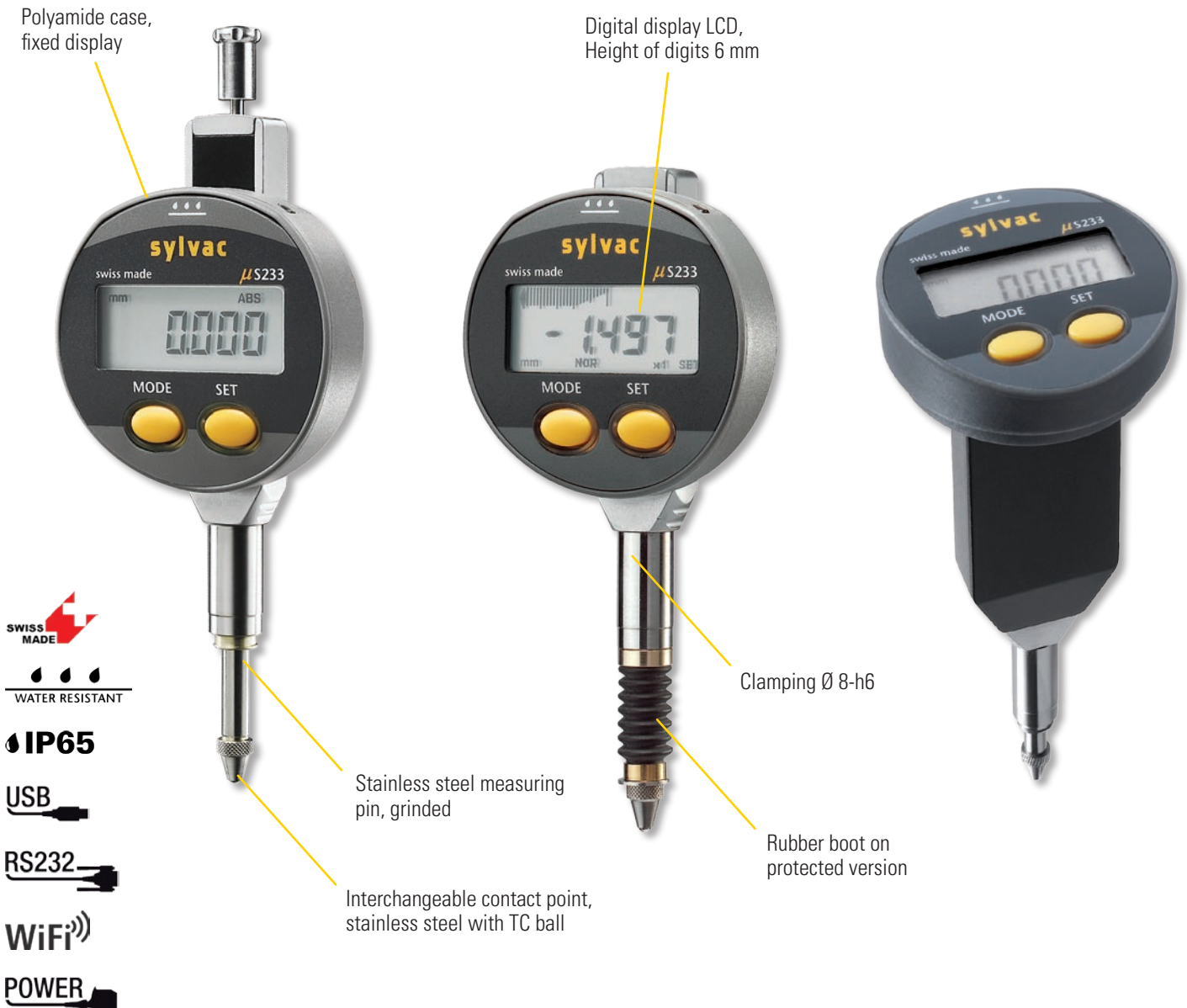# Mini digital indicators — S_Dial S233

DESCRIPTION

- Compact, small diameter
- Water and coolant resistant, protection rating IP65 according to IEC 60529
- Data output RS 232 combined with external power supply.
- Interchangeable contact point M2.5
- Clamping Stem Ø 8-h6 in hardened and ground stainless steel and dovetail back
- Battery life: 5'000 hours continuous
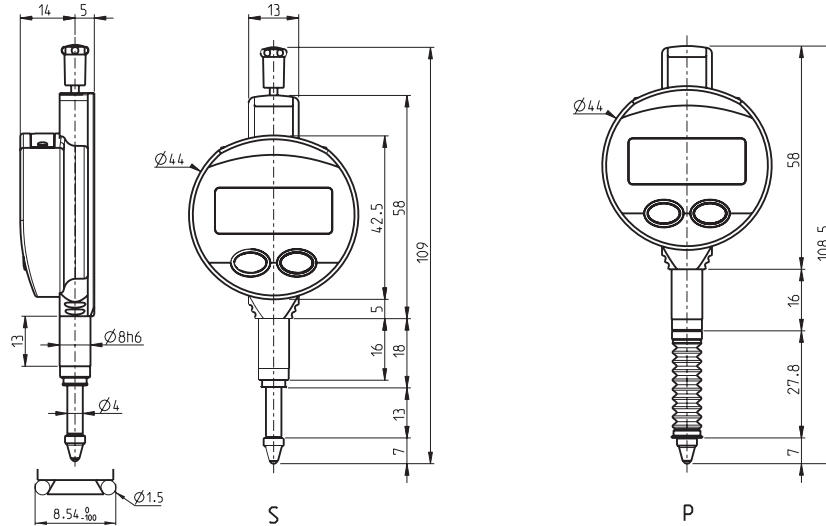- Automatic power shut down

Standard

Analogic

Vertical

Polyamide case, fixed display

Digital display LCD, Height of digits 6 mm

Clamping Ø 8-h6

Stainless steel measuring pin, grinded

Rubber boot on protected version

Interchangeable contact point, stainless steel with TC ball

SWISS MADE

WATER RESISTANT

IP65

USB

RS232

WiFi

POWER

Mini digital indicators

S_Dial S233

DIMENSIONAL DRAWINGS

Standard

S

P

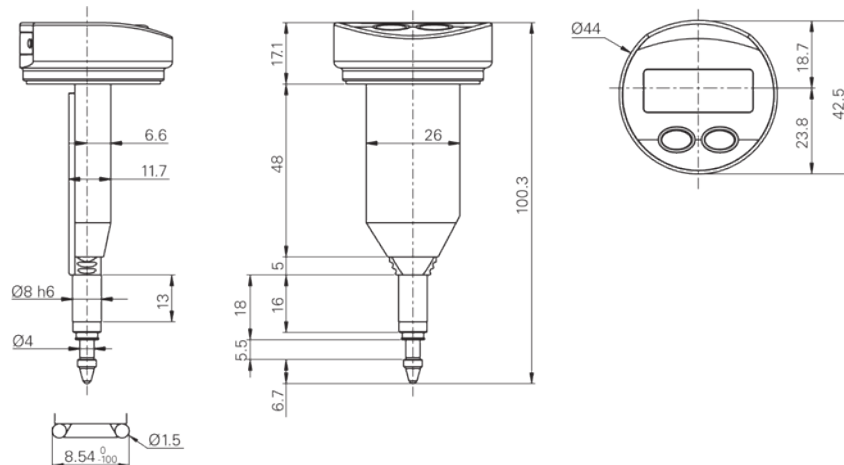**Analogic**

S

P
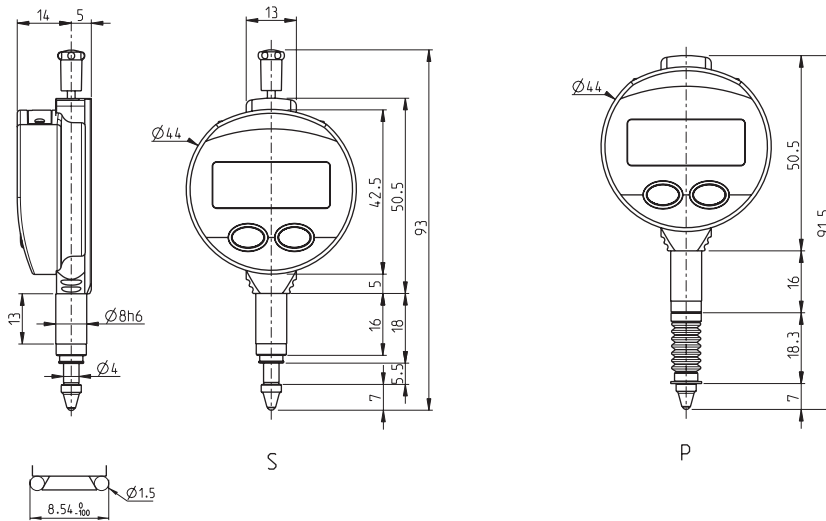
Vertical

S = standard   P = protected

Mini digital indicators   S_Dial S233

TECHNICAL SPECIFICATIONS

		905.4140	905.4540	905.4511	905.4515
Measuring range	mm	5	5	5	5
Display 90°		●	●	---	---
Analogic scale		---	---	●	●
Resolution	mm	0.01	0.001	0.001	0.001
Execution [3]		S	S	S	P
Max. Error fe	µm	10[1]	5	4	4
Repeatability	µm	2	2	2	2
Measuring force	N	0.50 - 0.65[2]	0.50 - 0.65[2]	0.50 - 0.65[2]	0.60 - 1.20[2]
Zero setting		●	●	●	●
REL and ABS measurement		●	●	---	---
Resolution selection		---	●	●	●
PRESET = (max. 130 mm)		●	●	---	---
Min / max / delta display		---	---	●	●
Selection of measuring direction		●	●	---	---
S_Connect : Power		USB / RS232 / Digimatic / Wireless [4]			

		905.4121	905.4125	905.4521	905.4525
Measuring range	mm	12.5	12.5	12.5	12.5
Résolution	mm	0.01	0.01	0.001	0.001
Execution [3]		S	P	S	P
Max. Error fe	µm	10[1]	10[1]	5	5
Repeatability	µm	2	2	2	2
Resolution selection		---	---	●	●
S_Connect : Power		USB / RS232 / Digimatic / Wireless [4]			
Zero setting			●		
REL and ABS measurement			●		
PRESET = (max. 130 mm)			●		
Selection of measuring direction			●		

[1] ± 1 digit
[2] Values ± 20%, indicator in vertical position, outgoing measuring spindle
[3] S = Standard   P = Protected
[4] see cables chapter

Mini digital indicators

S_Dial S233

BASIC INSTRUMENT

- Instrument according to technical specifications
- Lithium battery CR2302 included
- Manual
- Calibration certificate for instruments with resolution of 0.001 mm

MEASURING FORCE FOR RANGE 12.5 mm

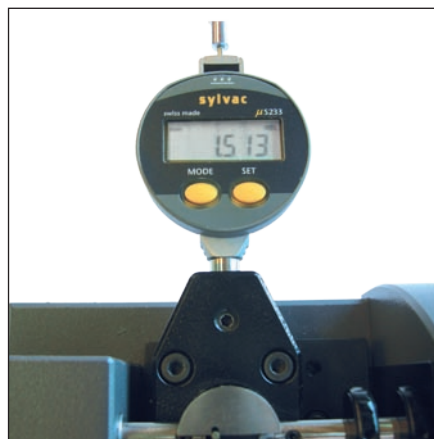|	S	P
Standard	0.5 - 0.90 N	0.6 - 1.3 N
Low [1]	0.35 - 0.50 N	---
High [1]	1.80 - 2.3 N	---

The values get along to ±20%, indicator in vertical position, spindle in outgoing measurement position.
[1] on request

APPLICATIONS

Checking of an internal Ø with a mechanical head

Measure of the vertical displacement of an element

Alignement of a machine element