Digital indicators

S_Dial WORK

DESCRIPTION

NANO & NANO SMART

B

- Robust digital comparator with Ø 59.5 mm housing rotatable by 270°.
- Integrated Bluetooth® system on Smart model
- Large display resolution 0.0001 mm (0.1 µm) with tolerance status indication by colour LEDs
- High accuracy and repeatability
- Three buttons, including the central button with selectable favourite function
- Wide range of functions, including MIN/MAX/DELTA
- Proximity» and «Power» data outputs allowing the instrument to be used without batteries when connected by this cable.
- Measuring range selectable: 12.5 and 25 mm
- Special low or high pressure versions available on request
- Protection class IP54





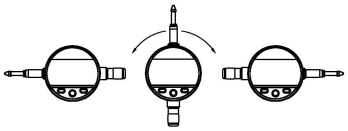
PROXIMITY

POWER

Built-in Bluetooth

SWISS MADE

WATER RESISTANT



Max error 1.2 µm
Repeatability 0.3 µm

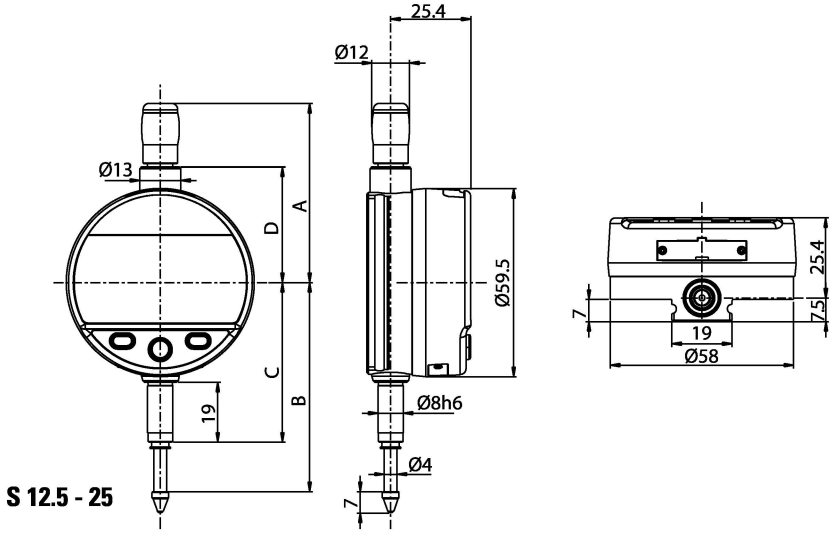
* SIS description on page 5

Digital indicators

S_Dial WORK

DIMENSIONAL DRAWINGS

NANO & NANO SMART



TECHNICAL SPECIFICATIONS

		805-5306	805-5506	805-6306	805-6506
Measuring range	mm	12.5	25	12.5	25
Resolution	mm	0.0001	0.0001	0.0001	0.0001
Max. Error fe	µm	**1.2**	**1.6**	**1.2**	**1.6**
Repeatability	µm	0.3			
IP rating		IP54			
A	mm	56.7	69.4	56.7	69.4
B	mm	66.1	78.5	66.1	78.5
C	mm	50.5	50.5	50.5	50.5
D	mm	36.6	49.4	36.6	49.4
Output data		USB / RS232		USB / RS232 / Bluetooth® wireless technology*	
Programmable by PC		●			
Standard functions (customized by PC)		mm/inch, ref I/II, preset (max 999.999) min/max/delta, toleances, resolution, direction of measurement, multiplication factor, automatic or manual switch off, key lock			

*** Up to 8 instruments connected per dongle #981-7100**

STANDARD DELIVERY

- Instrument according to technical specifications
- Lithium battery CR2032 included
- Instruction manual
- Calibration certificate

MEASURING FORCE

		S 12.5	S 25
Standard	N	0.65 - 0.90	0.65 - 1.15
Low [2]	N	0.4 - 0.55	0.45 - 0.9
High [2]	N	1.0 - 1.6	0.9 - 1.8

Tolerance ± 20%, spindle in outgoing measurement position.
[2] on request

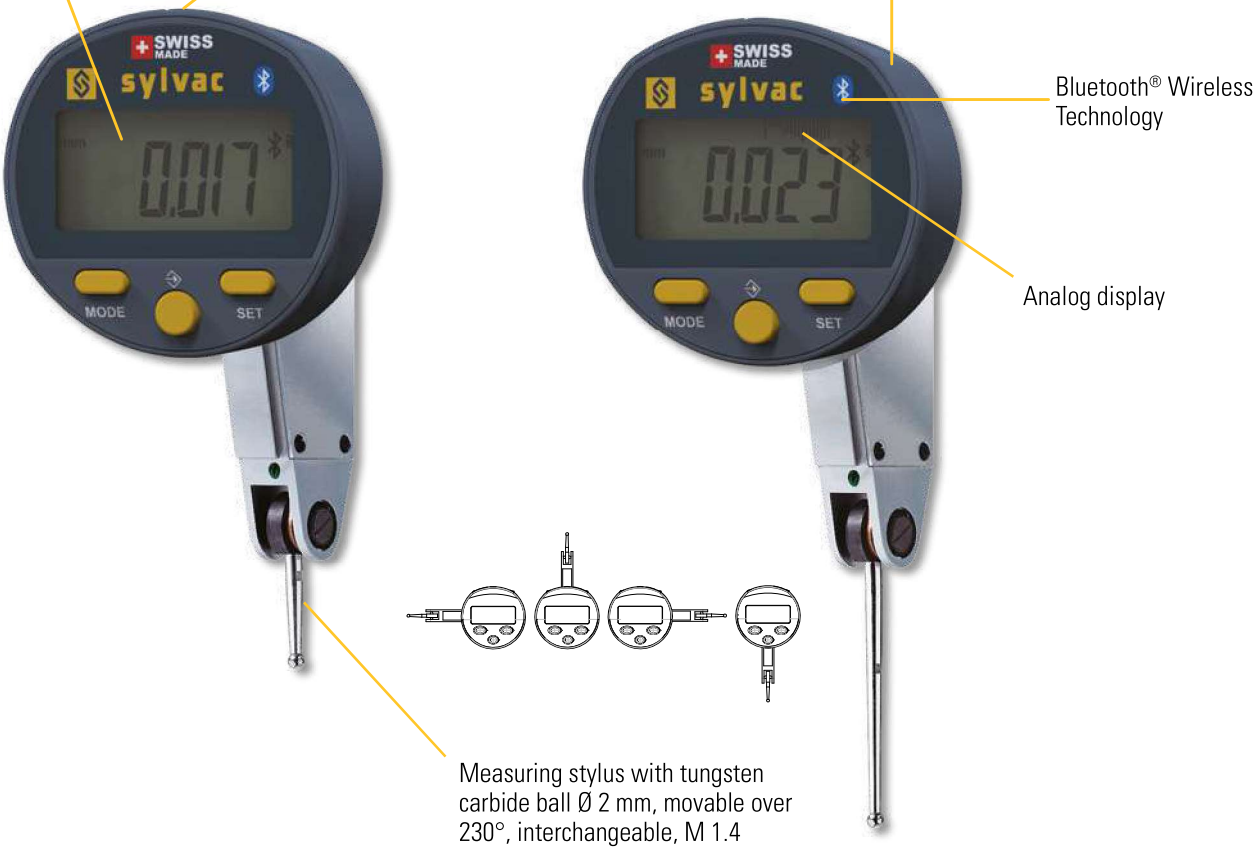
Digital test indicator S_Dial TEST Smart

DESCRIPTION

B

- First digital test indicator with integrated Bluetooth® system
- Instrument for checking roundness and flatness
- Data transfer by sending a request or by foot pedal
- Compact housing Ø 45 mm rotatable by 270°.
- Revolutionary mechanical construction, without gears or gears, which eliminates hysteresis error
- Digital display resolution 0.001 mm with analogue scale
- M1.4 stylus with Ø 2 mm tungsten carbide ball, swivelling and interchangeable
- Available in 3 versions :
  - Model with stylus length 12 mm, measuring range 0.8 mm
  - Model with stylus length 36 mm, measuring range 2.0 mm
  - Combination model for 12 and 36 mm styli (supplied with both styli), measuring range 0.8/2.0 mm
- Protected against liquids IP54

Built-in Bluetooth®



Built-in Bluetooth®

POWER

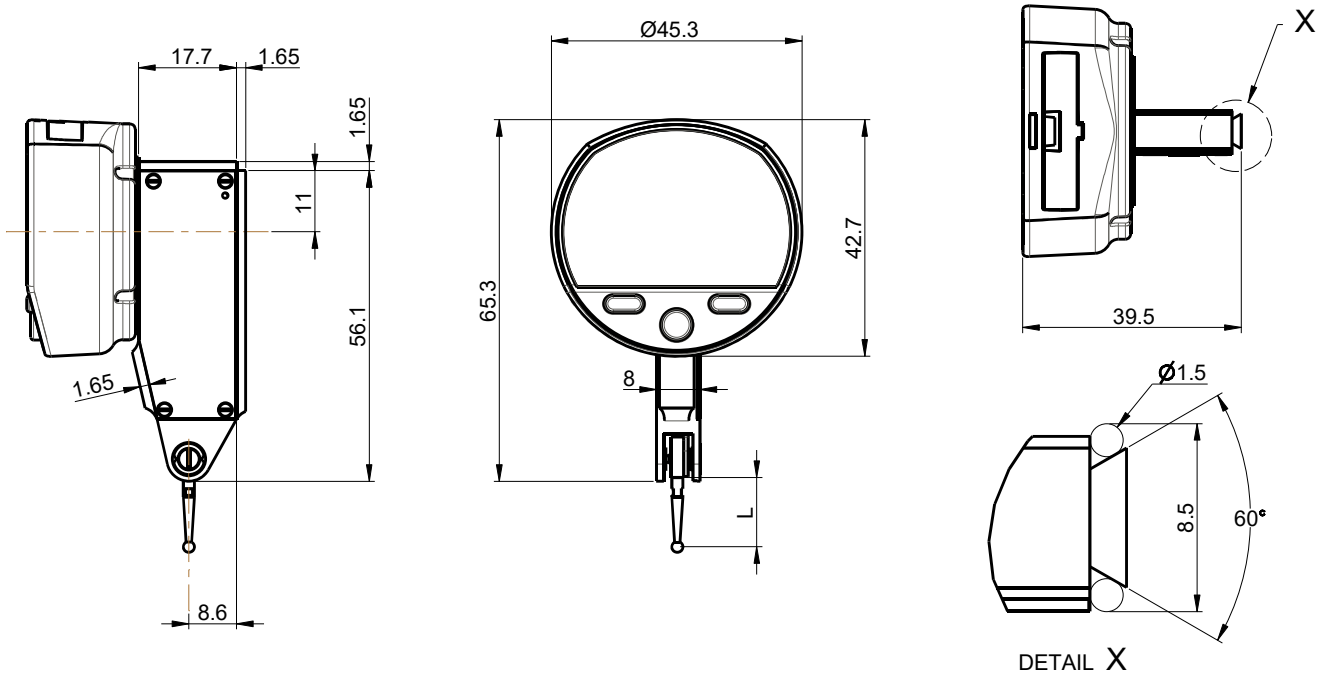
SWISS MADE

WATER RESISTANT

IP54

Digital test indicator S_Dial TEST Smart

DIMENSIONAL DRAWING



TECHNICAL SPECIFICATIONS

		805-4321	805-4322	> 805-4323 <
Measurement capacity	mm	0.8	2.0	0.8 / 2.0
Stylus length L	mm	12.5	36.5	12.5 / 36.5
Accuracy fe (α=0°)	µm	3	8	3 / 8
Total accuracy fges (α=0°)	µm	4	10	4 /10
Reversibility fu	µm	2	3	2 / 3
Resolution	mm	0.001mm / .00005"		
Repeatability fw	µm	1		
Measuring force	N	0.15	0.06	0.15 / 0.06
Friction on probe orientation	N	4	1.6	4 / 1.6
Weight	g	70		
Protection rating according to IEC 60529		IP54		
Output data		Bluetooth® wireless technology* / RS232 / USB [1]		
Zero setting		●		
min / max / delta display		●		
Analog display		●		
Selection of resolution		●		
Preset (0.01 resolution)		±99.999 mm / ±3.99995 IN (±999.99 mm / ±39.9995 IN)		

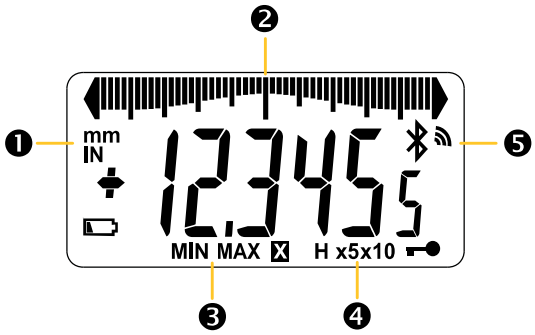
[1] see cables chapter

*** Up to 8 instruments connected per dongle #981-7100**

Digital test indicator S_Dial TEST Smart

DISPLAY

1. **Direct mm/inch conversion**
2. **Analog display**
3. **Min/max/delta mode**
4. **Analogic resolution display**
5. **Bluetooth® technology**



STANDARD DELIVERY

- Instrument according to technical specifications
- Lithium battery CR2032 included
- Quickstart
- Stem Ø 8 mm (905-2247)
- Clamping key for measuring button
- 2 contact points Ø2mm, 12.5 and 36.5mm (model 805-4332 only)

APPLICATIONS



Run-out measurement



Checking the alignment on milling machine.



Perpendicularity measurement with a S234 mounted on a Hi_Gage ONE