



# Digital display

# D50S

## DESCRIPTION

- Compact and simple display units for capacitive measuring probes
- Large, bright display
- 2 probe inputs :
  - display of channel 1 value
  - display of channel 2 value
  - display of the combined value of channel 1 - or + that of channel 2
- Resolution up to 0.0001 mm (0.1  $\mu$ m)
- Available in 2 versions :
  - D50S Standard
  - D50S Pro to pair a probe by entering a point-by-point correction (up to 25 points) in order to increase the accuracy of the whole system.
- Connector for optional pedal 904-4101
- RS232 data output
- IP54 liquid-proof front panel for workshop use



**IP40**

**SWISS MADE**

**RS232**



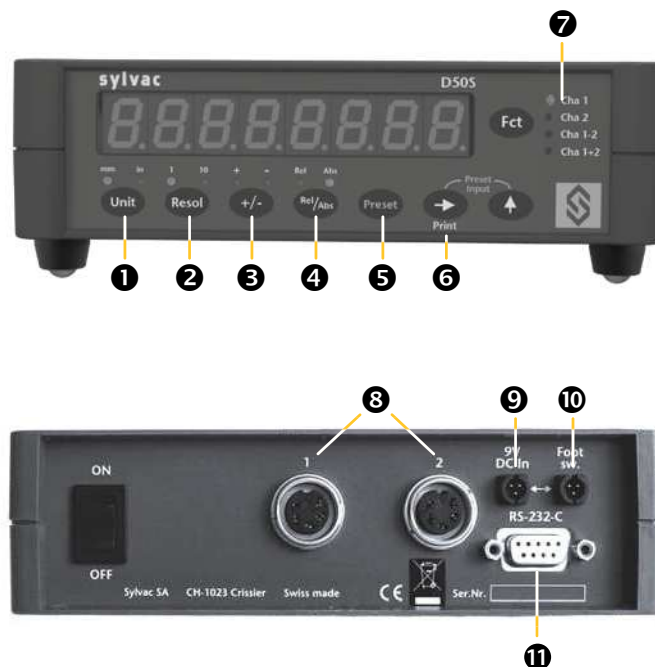


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## DISPLAY

- ❶ Conversion mm/inch
- ❷ Selection of resolution
- ❸ Selection of measuring direction
- ❹ REL and ABS measurement
- ❺ PRESET function
- ❻ Data sending
- ❼ Selection of measuring mode: channel 1 ; channel 2 ; channel 1-2 ; channel 1+2
- ❽ Probe inputs
- ❾ Power supply connection
- ❿ External contact connection
- ⓫ RS232 input/output



## TECHNICAL SPECIFICATIONS

		804-1050	804-1060
Type		D50S	D50S PRO
Max. Error	μm	P2 : 1.5 / P5 : 1.6 / P10 : 1.6 / P25 : 1.9	P2 : 0.5 / P5 : 0.6 / P10 : 0.6 / P25 : 0.8
Repeatability	μm	P2 : 0.2 / P5 : 0.2 / P10 : 0.2 / P25 : 0.2	P2 : 0.2 / P5 : 0.2 / P10 : 0.2 / P25 : 0.2
Overall dimensions	mm	180 x 75 x 50	180 x 75 x 50
Weight	kg	0.3	0.3
Case		Terblend Plastic	Terblend Plastic
Protection according to IEC 60529		IP40	IP40
Output data		RS232 / USB / Digimatic <sup>2)</sup>	RS232 / USB / Digimatic <sup>2)</sup>
Programmable by PC		●	●

<sup>1)</sup> Max error on D50S PRO paired with a probe

<sup>2)</sup> see cable chapter

## STANDARD DELIVERY

- Unit according to technical specifications
- Feet (pair)
- Charging unit according to country (904-4200)
- Instruction manual

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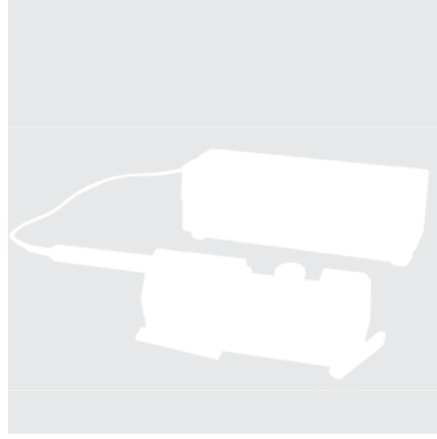
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## APPLICATIONS



Measuring a shaft with 2 probes (A+B)



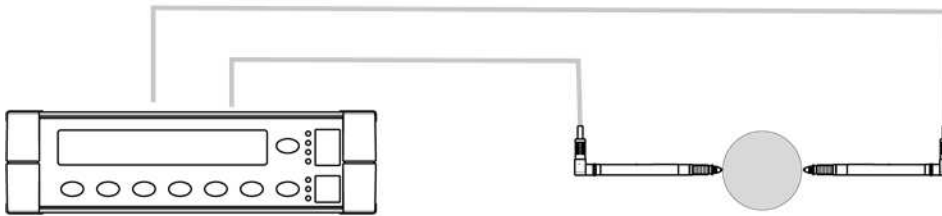
PS15 with connected to a D50S



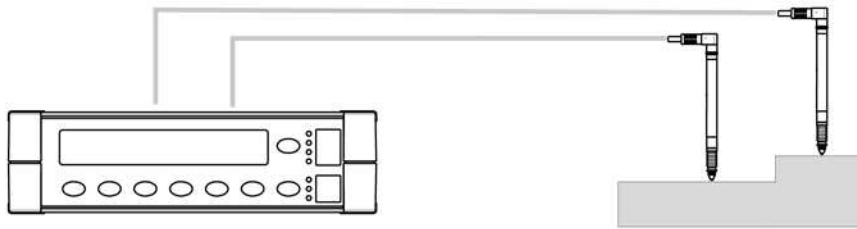
Simple measurement with one probe

## COMBINATIONS OF PROBES

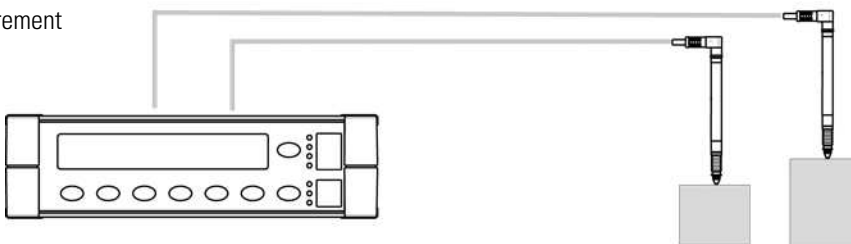
Diameter = 1+2



Difference = 1-2



Individual measurement



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## POSSIBILITIES OF CONNECTION

