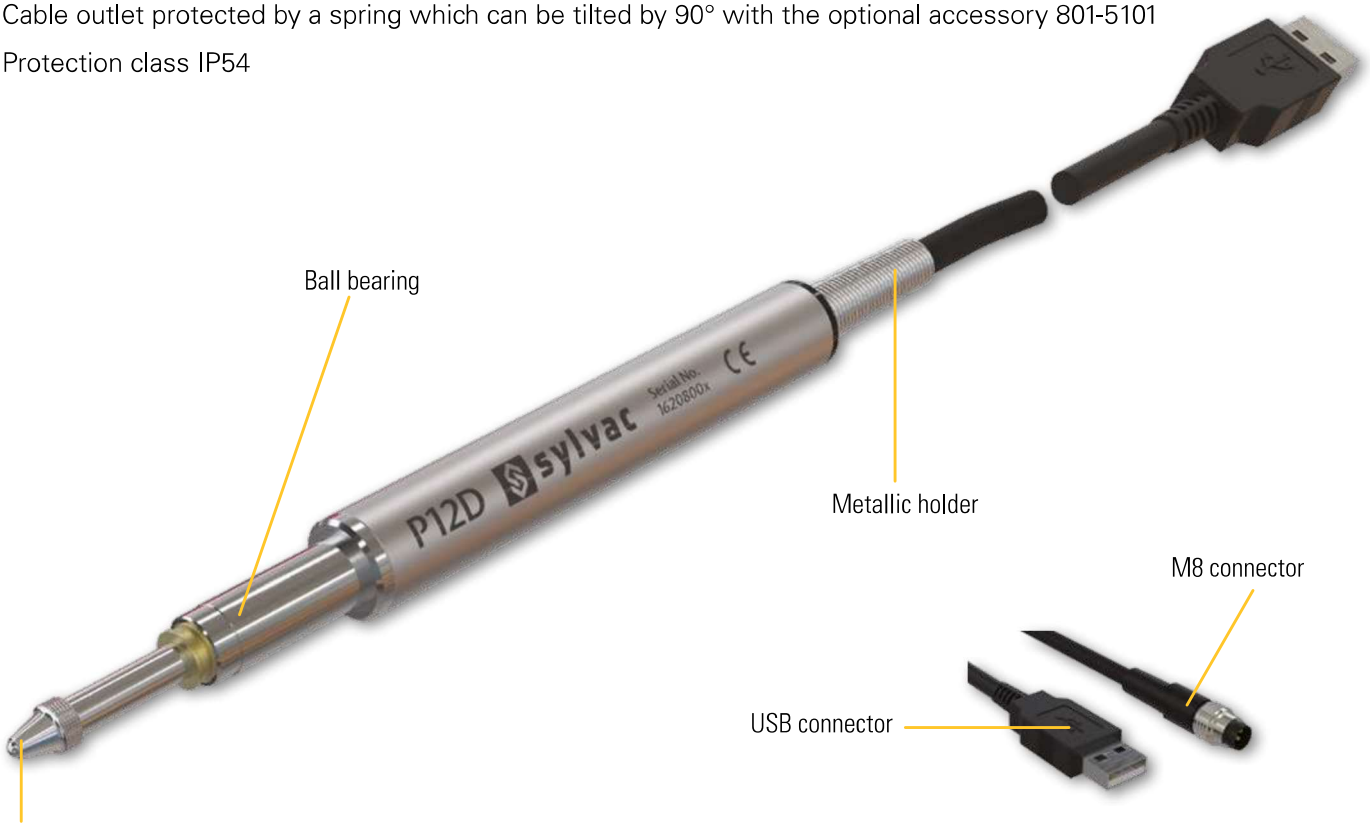
Absolute digital measuring probes P12D

DESCRIPTION

- High-precision measuring probes with patented measuring system combining inductive and capacitive technologies
- Absolute system with integrated electronic error correction (no more pairing with the unit or computer) guaranteeing high accuracy over the entire measuring range
- Extremely robust ball bearing guide guarantees a minimum of 100 million cycles (30 millions with radial load)
- Stainless steel body Ø 12 mm, fixing diameter 8 h6
- Measuring range 12.7 mm
- Available in 3 versions: Standard, Work and Pro
- Measuring force selectable: low or very low for vertical use only
- Output signal in direct digital format without the need for a converter
- Reading speed up to 100 values per second depending on configuration
- Straight cable length 2m with either USB or M8 connector
- Cable outlet protected by a spring which can be tilted by 90° with the optional accessory 801-5101
- Protection class IP54



Measuring anvil
Interchangeable contact point M2.5, stainless steel with TC ball

SWISS MADE

IP54

H

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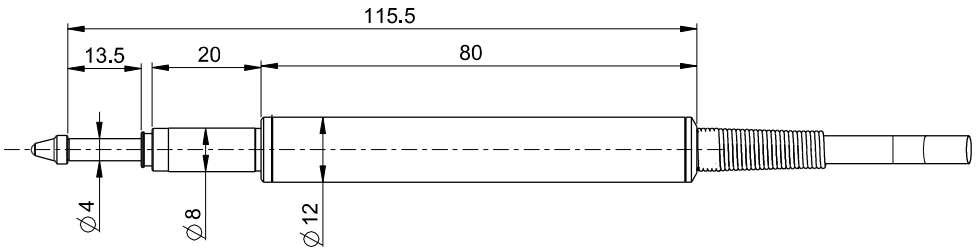
DIMENSIONAL DRAWINGS



TECHNICAL SPECIFICATIONS

PRO		**801-1012**	**801-1018**	**801-1212**	**801-1218**
Resolution type		High resolution			
Type		P12D HR USB	P12D HR USB CF [2]	P12D HR M8	P12D HR M8 CF [2]
Force [1]	N	0.2 - 0.3	0.08	0.2 - 0.3	0.08
Measuring range	mm	12.7			
Resolution	µm	0.01			
Max. Error	µm	0.6			
Repeatability	µm	0.08			
Nb measures/s		up to 100/s, according to configuration [5]			
Output data		USB		M8	
Cable output		Straight			

STANDARD		**801-2012**	**801-2017**	**801-2212**
Resolution type		Standard		
Type		P12D USB	P12D USB LF [3]	P12D M8
Force [1]	N	0.4 - 0.8	0.2 - 0.3	0.4 - 0.8
Measuring range	mm	12.7		
Resolution	µm	0.1		
Max. Error	µm	1		
Repeatability	µm	0.2		
Nb measures/s		up to 100/s, according to configuration [5]		
Output data		USB		M8
Cable output		Straight		

[1] ± 20%, vertical position
[2] CF = constant force : usable only vertically, rod pointing downwards (without spring)
[3] LF = low force
[4] depends on resolution and software
[5] depends on resolution and number of probes per bus