sylvac

Digital scale
Règle digitale
Digitale Einbaumessschieber
Scala digitale
Regla digital

ULD 4

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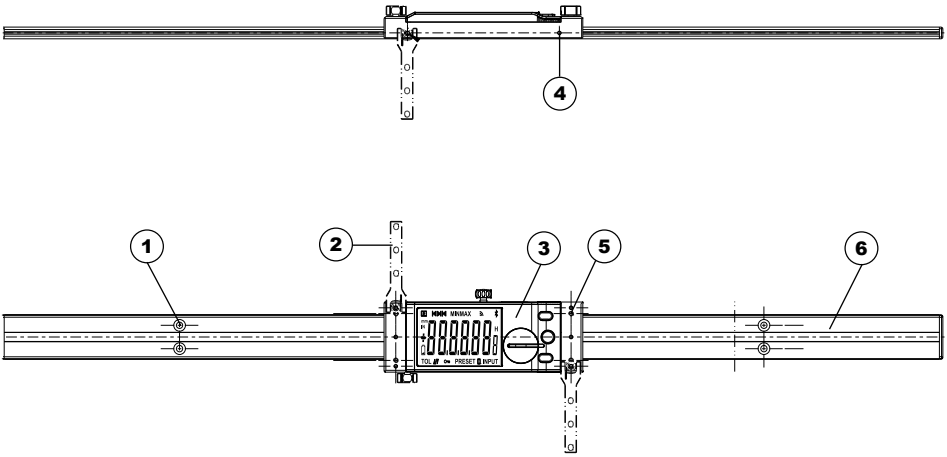
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INSTRUCTIONS
MODE D'EMPLOI
BEDIENUNGSANLEITUNG
MANUALE D'USO
MODO DE EMPLEO

1. Description of the instrument



1. Beam fixing point
2. Moving means
3. Electronic module (see 681.279.05)
4. Side fixing position
5. Top fixing position
6. Main beam

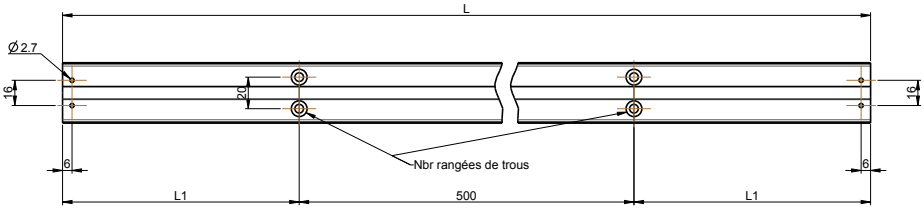
2. Specifications

Instrument	ULD4 1000	ULD4 1500	ULD4 2000	ULD4 2500	ULD4 3000
Measuring range (A)	0-1120mm	0-1620mm	0-2120mm	0-2620mm	0-3120mm
External dimension (C)	1306mm	1806mm	2306mm	2806mm	3306mm
Nb. holes row	3	4	5	6	7
Max error.	60 µm	90 µm	120 µm	150 µm	200 µm
Repeatability	20 µm (with constant measuring force)				
Weight	1.2	1.5	1.8	2.2	2.5
Max. speed of travel	2.0 m/s				
Measurement system	Sylvac Inductive System (patented)				
Working temperature (storage)	+5 to +40° C (-10 to +45° C)				
Electromagnetic compatibiliy	as per. EN 61326-1				
IP rating (according with IEC60549)	electronic module : IP67				
Coefficient of expansion	Steel 11.5um/°C/m				

3. Construction

Hardened steel guide rods

Measuring rule affixed on a steel basis



Version	L	L1	Nb raw holes	Beam(s)
600mm / 24”	800	150	2	1 x 800
800mm / 32”	1000	250	2	1 x 1000
1000mm / 40”	1200	300	2	1 x 1200
1200mm / 48”	1400	200	3	1 x 1400
1500mm / 60”	1700	350	3	1 x 1700
1700mm / 70”	1900	200	3	1 x 1900
2000mm / 80”	2200	350	4	1 x 2200
2500mm / 100”	2700	350	5	1 x 2700
3000mm / 120”	3200	350	6	1 x 3200
3000mm / 120”	3400	450	6	2 x 1700
3400mm / 134”	3600	550	6	2 x 1800
4000mm / 158”	4200	350	8	2 x 2100
4700mm / 185”	4900	200	10	2 x 2450
5300mm / 208”	5500	500	10	2 x 2750
6200mm / 244”	6400	450	12	2 x 3200
6700mm / 264”	6900	200	14	3 x 2300
7600mm / 299”	7800	400	15	3 x 2600
9400mm / 370”	9600	300	19	3 x 3200

< 9600 = 3

< 6400 = 2

< 3200 = 1

Formules

L = range + 200

L1 = (L - ((Nb - 1) x 500)) / 2

Beams

4. Set-up recommendations

- Make sure to line up the beam on the axis of the machine
- The carriage of ULD4 scale must slide freely
- Vertical mount, be careful at the moving mean orientation (spring blade faces up)
- Spring Blade tension



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EU DECLARATION OF CONFORMITY (DoC)

We, Sylvac SA, hereby declare under our sole responsibility that the product

Name	UL 4 BT
Description	Ultra light caliper family with Bluetooth® wireless technology
Part Numbers	811.1404, 811.1406, 811.1410, 811.1415, 811.1420, 811.1425, 811.1430, 811.6100, 811.6150, 811.8040, 811.8060, 811.8100, 811.8150, 811.8200, 811.8250, 811.2316.99, 811.2317.99, 811.2319.99, 811.8300, 814.1506, 814.1510, 814.1515, 814.1520, 814.1525, 814.1530

has been submitted to a conformity assessment and fulfils the essential requirements of the following European directives

2001/95/EC	General product safety
2014/30/EU	EMC
2011/65/EU & 2015/863/EU	RoHS
2014/53/EU	Radio Equipment Directive (RED)

and complies with the following harmonized standards or other normative documents

EN 61326-1:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements
EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
EN 300 328 V1.7.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems

Person authorized to compile the technical file and issue the declaration of conformity: Eric Schnyder

Place and date of issue	Yverdon-Les-Bains, September 12, 2019
Name (position)	Eric Schnyder (CEO)
Signature	