OUR BUSINESS SECTORS:

- MEASURING AND AGEING MACHINES
- ASSEMBLY AND MACHINING EQUIPMENT
- SUBCONTRACTING
- AUTOMATION UNITS

Watch video of the product on the Internet

SWISS MADE

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MEASURING AND AGEING MACHINES

UNIMEC

ChronoTest / CouronneTest

MEASURE OF CHRONOGRAPH FUNCTIONS / TRACTION-COMPRESSION OF CROWN

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MEASURING AND AGEING MACHINES

ChronoTest / CouronneTest

Make cycles of accelerated ageing

Measure precisely the required force to activate button functions and crown positions

UNIMEC

Equipment

• This machine enables measure and accelerated ageing on time pieces. It is made up of a movable sensor that precisely measue a pression or a compression relative to a position. There is also a rotary support that enables access to all peripheral functions of the device. Easy to change tooling gives the machine the ability to adapt to all situations. Two different softwares are available according to the application: ChronoTest and CouronneTest.

ChronoTest

• This software is used for measure and ageing of button functions on watch heads and movements.

CouronneTest

• This software is used for measure and ageing of tractions and compressions on crowns.

Rotary support

Thanks to its rotary support, measure and ageing cycles are totally autonomous.

• Measure and age all the button functions (ChronoTest) or all the crown positions (CouronneTest) in the same work sequence.

• Define up to 8 work functions per test.

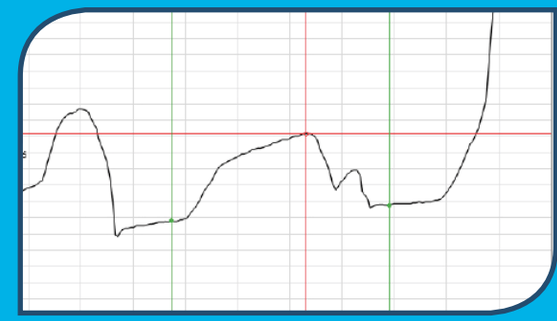
Variants

• 1 head version: measure and/or ageing on one component

• 5 heads version: measure and/or ageing on one up to five components independently

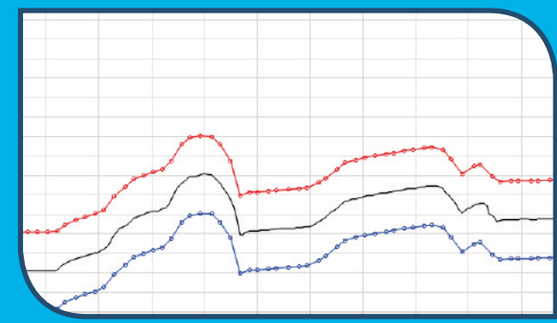
Detent

• Follow evolution of the measure and the ageing of button functions (ChronoTest) or crown positions (CouronneTest).
The detent recognition enables you to follow the required force for activation of the button, or for change of the crown function, cycle by cycle.



Envelopes

• Check conformity of an element according to envelopes (maximum, minimum). Cycle is interrupted (paused) in case of overrun of these limits.



Follow-up in real time

• Uninterrupted updating of the measured data and consultation of the graphs in real time.

Technical data

	1 head version	5 heads version
Max. mesurable force	+/- 50 N with +/- 1% of M. R.	+/- 50 N with +/- 1% of M. R.
Positioning resolution of the sensor	+/- 0,005 mm	+/- 0,005 mm
Stroke of the sensor	18 mm	18 mm
Actuation speed	from 0,1 to 5 mm/s	from 0,1 to 5 mm/s
Number of points per cycle	800	800
Angle of rotation	360°	360°
Residual backlash	+/- 0,075°	+/- 0,075°
Interface	1x USB 2.0 and 1x RS232	2 x USB 2.0
Energy	230 V - 60 W	230 V - 100 W
Dimensions (l x d x h)	350 x 230 x 220 mm	600 x 455 x 240 mm
Weight	10 kg	55 kg