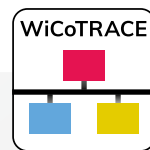


Chronoscope® X1



Chronoscope X1, high-tech for professionals!

The automated measurement of mechanical watches in the 10 main test positions is both efficient and accurate with the X1. The proven, robust hardware of the Micromat C for automatic control of the test positions works reliably even in 24/7 operation.

Display unit that attracts the eye

The Chronoscope X1 is a fantastically finished device made of first-class materials. A high-quality capacitive touchscreen shows the measurement results on its brilliant, high-contrast display. The bright, full-colour display has a high-grade aluminium framing and an adjustable base.

Even more efficient thanks to WiCoTRACE

The Chronoscope X1 can be fully integrated into the central WiCoTRACE test parameter and result management system and has the advantage of a traceable, productive measurement process.

Chronoscope® X1

Chronoscope X1

- Automatic, acoustic microphone for the measurement of beat noises in mechanical watches
- Numerous display and analysis modes: Diagram, Vario, Trace, Scope, Sequence and Polar
- High-quality display and easy operation thanks to the 10.4" colour touchscreen
- Adjustable display stand
- Automatic measurement in 10 test positions
- Proven and reliable hardware for use in the toughest operating conditions
- Headphone socket for listening to the beat noises
- Efficient test parameter and result management thanks to WiCoTRACE
- Direct connection to the WiCoTRACE database via Ethernet

General

Operation/display	10.4" colour screen with 800 x 600 pixel resolution and capacitive touch function
Languages	German, French, English, Italian, Spanish
Interfaces	3x USB type A 1x RS-232 1x Ethernet Headphone socket (3.5 mm jack plug)
Dimensions display	266 x 213 x 43 mm (W x H x D)
Dimensions Micromat C	115 x 125 x 215 mm (W x H x D)
Weight display	2.1 kg
Weight Micromat C	1.7 kg
WiCoTRACE	yes

Measurement

Measurement principle	Acoustic measurement of beat noises
Measurement channels	1
Rate	-1,000 to +1,000 s/d \pm 0.1 s/d
Amplitude	80 to 360° \pm 1.0°
Beat error	0 to 9.9 ms \pm 0.1 ms

Measuring conditions

Stabilisation time	Manual
Amplification	Automatic or manual (for watches with background noise or unusual beat noises)
Measurement time	2 s to 300 h
Test positions	10
Beat rate	Automatic or manual, 3,600 to 360,000 A/h
Lift angle	Manual, 10 to 90°
Time base	OCXO (\pm 0.004 s/d)