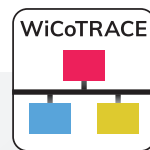


# Chronoscope® X1



## 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	OXCXO ( $\pm$ 0.004 s/d)