

Micromat C



Micromat C, the versatile, automatic microphone

The automated measurement of mechanical watches in the 10 test positions is both efficient and accurate with the Micromat C. Thanks to the tried and trusted, robust mechanism for the automatic activation of the test positions, it can also work reliably 24/7 in industrial applications. The Micromat C can be connected to any PC via the USB port.

Service or Production - the software decides

Using the two software packages included in the supply, the Micromat C can be adjusted to suit the requirements of the particular application. With WiCoTRACE for production, up to 10 devices can be operated simultaneously, whereas Chronoscope Service is optimised for use in a service centre.

Even more efficient thanks to WiCoTRACE

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

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- Automatic, acoustic microphone for the measurement of beat noises in mechanical watches
- USB port for easy connection with commercially available PCs
- Automatic measurement in 10 test positions
- Tried and trusted, robust mechanism for use in the toughest operating conditions
- Versatile PC software: Chronoscope Service and WiCoTRACE 3
- Up to 10 measurement channels per PC
- Control keys on the device
- Headphone socket for listening to the beat noises
- Efficient test parameter and result management thanks to WiCoTRACE

General

Operation	Key and joystick
Display	-
Compatible display devices	Windows PC Windows tablet
Interfaces	USB type A (device type B) Headphone socket (3.5 mm jack plug)
Dimensions	115 x 125 x 220 mm (W x H x D)
Weight	1.7 kg

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 72,000 A/h
Lift angle	Manual, 10 to 90°
Time base	OXCXO (\pm 0.030 s/d)
Ambient conditions	Temperature: 10 - 40 °C Relative humidity: max. 80 %

* depending on the used software or display device