

# ChronoMaster® Air



## **ChronoMaster Air, the smart, compact and wireless microphone!**

The Air version of the tried and trusted ChronoMaster microphone with built-in, smart measurement electronics is even more versatile and more user-friendly, thanks to its wireless Bluetooth connection. This precision measuring device can recognise 12 test positions and facilitates the comprehensive measurement and analysis of rate deviation, beat error and amplitude.

## **Fully wireless with Bluetooth and rechargeable battery**

The ChronoMaster Air can be operated via a USB port connected to the mains electricity supply, as well as autonomously for up to 20 hours with its built-in rechargeable battery and wireless Bluetooth connection. It takes up little space and enables you to position it exactly where you want it without any cables getting in the way.

## **WiCoTRACE and iOS app ChronoMaster Air**

WiCoTRACE and Chronoscope Service for Windows PC, as well as the app for Apple iPads are prepared for ChronoMaster Air and offer the optimal software for every need.

# ChronoMaster® Air

## ChronoMaster Air

- Compact microphone with integrated measurement electronics for testing mechanical watches
- Wireless thanks to integrated Bluetooth interface and rechargeable battery with up to 20 hours' autonomous operation
- Rechargeable battery easy to charge using USB cable
- Automatic detection of the 6 main test positions, 4 intermediate vertical positions and 2 special positions
- Precise division of test positions into 45° increments
- Efficient software with guided sequence mode, adjustable for 1 up to 10 test positions
- Secure mounting, even for large watches
- Convenient and efficient operation thanks to built-in control keys
- Ergonomic watch adjustment thanks to stable hand rest for both left- and right-handed users

## General

Operation	4 push-buttons
Compatible display devices	Windows PC Windows tablet
Software	WiCoTRACE * Chronoscope Service (max. 2 channels)
Interfaces	USB type A (dispositif type C) Bluetooth
Dimensions	130 x 110 x 110 mm (W x H x D)
Weight	645 g
Rechargeable batteries	4x NiMh type AAA, replaceable
Battery life	up to 20 hours

\* In Bluetooth mode, up to two ChronoMaster Air can be connected simultaneously. While, up to ten can be connected via a USB connection.

## Measurement

Measurement principle	Acoustic measurement of beat noises
Rate	-1'000 ... +1'000 ± 0.1 s/d
Amplitude	70 ... 360° ± 1.0°
Beat error	0 ... 9.9 ms ± 0.1 ms
Beat error	0 ... 9.9 ms ± 0.1 ms

## Measuring conditions

Stabilisation time	Manual
Amplification	Automatic or manual
Measurement time	Manual, 2 s to 300 h
Test positions	12 **
Frequency	Automatic or manual, 3,600 to 72,000 A/h
Lift angle	Manual, 10 to 90°
Time base	TCXO (± 0.086 s/d)
Ambient conditions	Temperature: 10 - 50 °C Relative humidity: max. 80 %

\*\* depending on the used software or display device