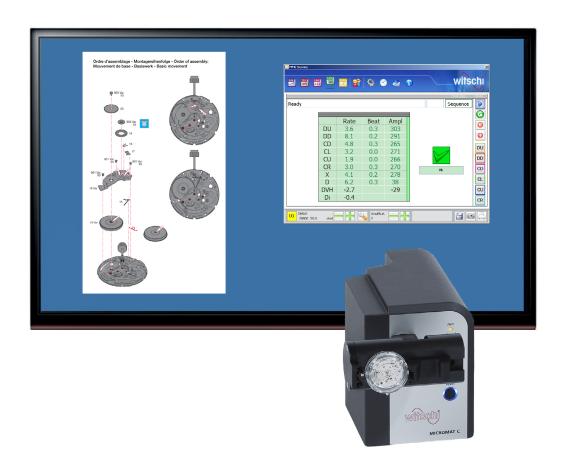
MMC Service & Micromat C



Measuring system for mechanical watches

The MMC Service software is installed with Micromat C directly on your PC. Space-saving if a PC is already available at the workplace in the laboratory or in the service area. No additional display unit must be installed.

For the quality control, there are 4 different types of test modes available.

The beat noises are displayed graphically.

Possible are automatic test sequences with 2 to 10 different measurement positions.

It functions with the operating systems Windows XP / Windows 7 / Windows 8.



Technical Data

Measurement possibilities

Rate deviation, amplitude and beat error of mechanical watches. Diagram of the beat noises.

Beat number

Automatic selection of all common beat numbers. Manual selection of less common beat numbers. Manual selection of any beat number between 3'600 to 72'000 b/h and 360'000 b/h

Measuring modes

Rate Only measurement of the rate accuracy

Standard Mode for watches with the Swiss escapement

- Special 1 Mode for watches with coaxial escapement

- Special 2 Mode for watches with Robin escapement

Special 4 Mode with specific amplitude filter for the

measurement of watches with the Swiss

escapement

Special 6 Mode for Chronograph «Foudroyante»

Special 3, 5, 7, 8 and 9 are inactive (reserve)

Adjustment Possibilities

Continuous Diagram Recording

Selectable integration time: 2, 4, 6, 8, 10, 20, 30, 40, 60, 120,

180 and 240 s

Adjustable zoom: 1, 2, 4, 8, 16 fold

Display mode Trace

Measuring time adjustable from 4 s to 99:59:58h

Adjustable zoom: 2, 4, 8 fold

Display mode Vario

Measuring time adjustable from 4 s to 99:59:58h.

Display mode Sequence

Stabilisation time adjustable from 2 s to 2 min Measuring time adjustable from 4 s to 10 min Measuring cycle adjustable from 2 to 10 test positions

Scope 1

Selectable time deviation: 20, 200, 400 ms

Scope 2

Fix time deviation 20 ms Averaging of the beat noises

Gain control

Automatic. Manual control facility for watches with stray or unusual beat noises

Measuring Ability

Rate accuracy: numerical display in s/d

Resolution: selectable 1.0, s/d, 0.1 s/d or 0.01 s/d

Measuring range: \pm 999 s/d Accuracy: \pm 0.1 s/d

Amplitude: numerical display in degrees

Resolution: 1° or 0.1° Measuring range: 80° to 360° Accuracy: \pm 0.4°

Lift angle: adjustable from 10° to 90°

Resolution: 0.1°

Beat error: numerical display in milliseconds

Resolution: 0.1 ms Measuring range: 9.9 ms Accuracy: ± 0.1 ms

Details Micromat C

Motorized Microphone for watch movements and watches with or without strap. With the inserted Joystick are manually up to 10, in the automatic Sequence mode up to 11 test positions selectable.

Time base: pre-aged and thermo-compensated high

frequency quartz, OCXO

Stability: ± 0.004 s /d between 10° and 50° C Aging: for the first yearmax. ± 0.03 s /d

Interface: USB

Housing: plastic anthracite Front panel: Aluminium.

Dimensions: $115 \times 125 \times 220 \text{ mm (w x h x d)}$

Weight: 1.7 kg

Mains: mains adapter for 230 V~ or 120 V~, 1.2 A

Requirements of PC

- Suitable processor (CPU) for operating system Windows XP SP3 (32 Bit), Windows 7 (32 / 64 Bit) or Windows 8 (32 / 64 Bit)
- Minimum 2 Gb Ram
- CD/DVD drive
- USB interface for Micromat C
- RS232 interface for thermo printer (accessory)
- Screen with a minimum resolution of 1024 x 768 pixels

Accessories

Thermo printer with ticket cutter, 100-240V $\scriptstyle\sim$	JB01-740RS232
Thermo paper for JB01-740RS232	JB01-MM60-740RS
Clamping microphone	13.1820
Optoelectronic sensor	13.1620
Tripod for optoelectronic sensor	13.16.201

Technical data subject to changes

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