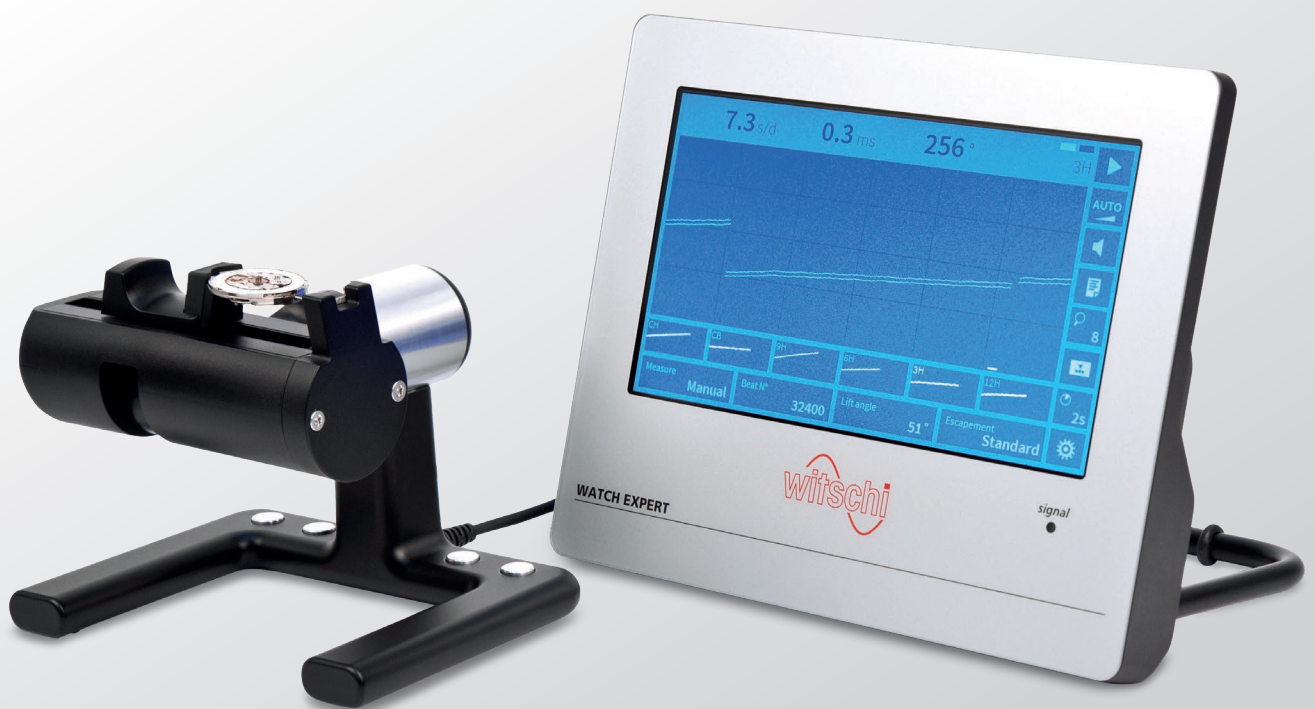


Watch Expert



Watch Expert, hi-tech for professionals!

The most intuitive Watch Expert of all time was developed to meet the needs of the watchmaker. Watchmakers have been plying their trade with it for generations. This model is the fourth generation.

Precise and ergonomic

The Watch Expert is the ideal measuring instrument for testing the rate accuracy, amplitude and beat error of mechanical watches. As well as offering precise measurement values and a range of measurement modes, it is also exceptionally easy to use.

Touch screen for easy operation

The capacitive touch screen with high-grade glass displays the measurement results brightly, in high-contrast and without reflections. You can access the most important functions quickly and easily using the four push buttons on the microphone.

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- 7-inch colour display
- Capacitive touch screen enables intuitive operation, even when wearing finger cots or gloves
- Work conveniently on a reflection-free display
- The most important results for rate, beat error and amplitude are visible at a glance
- Automatic detection of 12 test positions
- Quick and easy to switch between test positions
- Easy to control using the 4 push buttons on the microphone

General

Operation/display	7" TFT backlit colour display with 800 x 480 pixel resolution and capacitive touch screen Buttons on the microphone Control LED
Languages	German, French, English, Spanish, Italian, Russian, Chinese (simplified), Chinese (traditional)
Ports	2x USB type A 1x RS-232 1x ethernet Bluetooth for thermal printers (optional USB dongle)
Dimensions	197 x 164 x 130 mm (W x H x D)
Weight	1.7 kg including microphone and power adapter

Measurement

Measurement principle	Acoustic measurement of beat noise
Measurement channels	1
Rate	+/- 999 s/d
Amplitude	70 to 360°
Beat error	0 to 9.9 ms

Measuring conditions

Stabilisation time	Manual
Gain control	Automatic or manual (for watches with background noise or unusual beat noise)
Measurement time	2 s to 99 h: 59 min: 58 s
Test positions	12
Beat number	Automatic or manual, 3,600 ... 86,400 A/h
Lift angle	Manual, 10 ... 90°
Time base	TCXO (± 0.13 s/d)
Ambient conditions	Temperature: 10 - 50 °C Relative humidity: max. 80 %