Analyzer Twin

Analyzer Twin – reference device for professional testing of quartz watches
With the Analyzer Twin you can measure and test both mechanical and quartz watches. This combined measurement and test device offers the functions of measuring devices for both quartz and mechanical watches. The Analyzer Twin is the perfect combination device for repair services, laboratories and watch sales outlets.

Extensive measurement options
The basic functions and measurement sequences of the Analyzer Twin are extensively automated and guarantee rapid, efficient use when measuring or testing both mechanical and quartz watches. Additional setting options of the Analyzer Twin combination unit facilitate the measurement of special watches. Because the Analyzer Twin can test and measure both mechanical and quartz watches, you can save space on your work bench.

Measurement of mechanical watches using the additional microphone
An external, manual multilayer microphone records the beat noises of mechanical watches and watch movements.

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witschi
LEADING SWISS PRODUCTS

Analyzer Twin

Analyzer Twin

- Compact and ergonomic measuring device for open and closed quartz and mechanical watches.
- A mirror allows you to see the dial so as to monitor the hands while taking all measurements.
- Battery tester for low and high drain batteries with connectible load resistors.
- Resistance and isolation testing for inspection of coils.
- As well as displaying rate accuracy, it can also measure period duration, chopping-level and much more.
- Suitable for watches containing SuperQuartz with an inhibition period of 480 ... 960s.
- A highly sensitive triple sensor records signals in closed quartz and mechanical watches.
- Logs of numerical measurement results can be printed out using the Witschi thermal label printer.
- Adjustable screen angle for a more ergonomic experience.

General

Operation/display	- Colour TFT graphic display - 320 x 240 pixel resolution - LED-illuminated
Languages	German, French, English
Interfaces	3 x RS232 for connecting the Witschi thermal printer, a PC and the Witschi GPS receiver. 2x DIN 8-pin for connecting an external signal sensor and stand microphone.
Dimensions	290 x 180 x 170 mm (W x H x D)
Weight	3.8 kg including network adapter and stand microphone
WiCoTRACE	no

Measurement

Measurement principle/measurement options	Acoustic/capacitive/inductive For measuring rate variation, electricity consumption, coil resistance, isolation and battery voltage.
Rate	-300 ... +300 s/d
Rate (mech. watches) Half-oscillations	12,000 to 43,200 A/h, automatic detection of common beat numbers or manual input.
Voltage	0 ... 3.5V
Power	0 ... 20 mA
Resistance and isolation of the coil	5 Ω ... 10 MΩ

Measurement conditions

Measurement time	2 ... 960 s
Power supply	0 ... 3.5V, termination 0.05 V
Time base	OCXO (± 0,004 s/d)

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