

WATER-RESISTANCE TESTING EQUIPMENT WITHOUT FLUIDS

SWISS MADE 
High Quality Products

UP TO
50 BAR!



WATER-RESISTANCE TESTER SM-8850/10

Since its first issue, the **Water-Resistance Tester SM-8850** series has undergone continuous improvements and enhancements. With its state-of-the-art **advanced technology**, the latest version includes **important new features and functionality**.

Similar in **user-friendliness** as its worldwide recognized and adopted predecessor, the SM-8850 comes with a **meaningful increase in performance** among many other **advantages**. The SM-8850 series instrument allows testing watches at pressures ranging from **-0.75 to 10 bar** for the **SM-8850/10**, respectively to **20 bar for the SM-8850/20, 30 bar for the SM-8850/30** and **50 bar for the SM-8850/50**.

This series of test instruments is **optimized for very high pressure testing**. A new front locking system with **safeguard**, along with a **redesigned compact side lock** for the high pressure versions ensures a **safer operation** of the device.

The new pressuring chamber is designed to withstand pressures in excess of 100 bar and to cater for very **big sized watch-cases** and even **diving watches of a thickness of up to 35 mm**, a width of 65 to 79 mm and a length of 78 to 104 mm. This increase in test object size was created without increasing the internal chamber volume: with less than 0.5 litre of volume, the **pressuring chamber features a reduction of more than 15%** compared to its predecessor, and **more than 60%** compared to other market products, allowing for **shorter test cycles and lesser air consumption**, particularly for high pressure tests.

The **newly designed sensor head** is made out of a special metal alloy to achieve **ultra-stable and unmatched performance**; even **extremely stiff watch-cases** can be reliably tested at very low pressure. Combined with a **new, fast and very high-precision 18 bits data acquisition system**, the state-of-the-art electronic circuit board complies with the latest and strongest **CE regulation** (European regulation) and features an **environmental friendly lead free design** (RoHS conform).

ANY CHANGE RESERVED



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TECHNICAL FEATURES AND ADVANTAGES

- Fits watch-case width of 65 to 79 mm
- Fits watch-case thickness of 25 mm, expandable to 35 mm
- Completely safe device operation and testing
- Automatic test start when chamber is closed
- Motor-driven automatic watch positioning sensor head
- Upon power loss, air is exhausted and chamber unlocked
- Extremely simple operation and intuitive programming
- 10 programmable single or double tests (factory pre-set)
- Integrated, internal vacuum generator
- Integrated, direct driven compressor control socket
- Supply voltage: 90 – 270 Volts AC 50/60 Hz

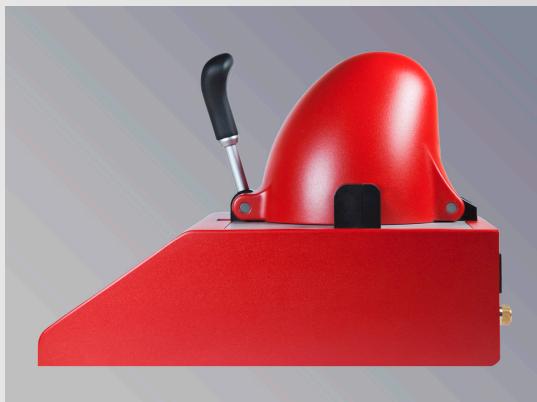
- Fits watch-case length of 78 to 104 mm
- Fits watch height with stiff bracelet of Ø 81 mm
- Safe phased pressure exhaust for leaking watches
- Automatic pressuring chamber leak test
- Automatic chamber locking system with safeguard
- Additional side locking system for high-pressure version
- Multilingual, clear text menu-driven user interface
- Printer interface with customer logos printout capability
- Integrated, external compressor control socket
- Integrated, high-pressure Booster control socket
- Width x Depth x Height: 210 x 310 x 220 mm



Front Panel Detail



High-Pressure Chamber and Locking System Detail



Side view



Rear view

SM-8850 TEST INSTRUMENTS ARE AVAILABLE IN FOUR PRESSURE RANGE:

- SM-8850/10 with testing pressure range from -0.75 up to 10 bar (*100 meters depth*)
- SM-8850/20 with testing pressure range from -0.75 up to 20 bar (*200 meters depth*)
- SM-8850/30 with testing pressure range from -0.75 up to 30 bar (*300 meters depth*)
- SM-8850/50 with testing pressure range from -0.75 up to 50 bar (*500 meters depth*)

PLEASE CONTACT US FOR FURTHER INFORMATION

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