Unirox

Airtightness checking machine for watch by volumetric comparison

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Engineered and made in Switzerland

The Unirox is a precision measuring device for checking the airtightness of watches, using volumetric control technology.
It measures the air leakage in a watch case at a pressure between 0 and 10 bar, as well as in vacuum (-0,5 bar).
The advantage of this process is that it prevents the watch case, and therefore the movement, from coming into contact with potentially damaging water in the event of a leak.

Machine functions

- Measurement by volumetric comparison of a watch case
- Possibility to test a single watch without a reference **After Sales compatible**
- Space-saving and easy to use
- "Standard" cycle time between 1 minute 30 seconds and 4 minutes
- No special impressions required
- Dual chamber bucket with anti-scratch coating
- (XS et L, S and M)
- Color touch-screen
- RS232, USB, RJ45 connections for data transfer
- Mini USB type B connection for maintenance

Software functions

- Intuitive menus in 5 languages
- Many adjustable parameters
- Simple and intuitive programming
- Specific per watch case or generic programs
- Memorize up to 200 different test programs
- Watch cases volume learning function
- Backup of test data on USB key
- Saving and importing programs via USB key
- In future, data transfer via Roxnet

Technical specifications

External power supply (transformer)

Input transformer :	100-240 V~ / 50-60 Hz / 0,58 A / 140 W
Output transformer :	24 VDC / 1 A / 24 W
Minimum inlet pressure :	5 bar
Maximum inlet pressure :	12 bar
Ambient humidity rate :	Between 30 and 60 %
Ambient temperature :	20 to 28 °C
Weight :	9 kg
Dimensions closed device (l/d/h) :	150 x 365 x 220 mm
Dimensions open device (l/d/h) :	150 x 475 x 220 mm

Options and accessories

Watch handling set

- 1 Support for pencil
- 1 Vacuum pencil
- 1 Spout with suction cup Ø 20 mm
- 1 Spout with suction cup Ø 15 mm
- 1 PVC hose blue Ø 06 / 10 mm (3 meters)