


Decarox

Airtightness checking machine for 10 watches by volumetric comparison

Datasheet, 09.05.2025, V2.0

 Engineered and made in Switzerland

The Decarox is a precision measuring device for the checking of the airtightness of watches, using volumetric control technology.

It measures air leaks in watch cases at a pressure of 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

- Measures 10 watch cases simultaneously by volumetric comparison
- Space-saving and easy to use
- "Standard" cycle time between 1 minute 30 seconds and 3 minutes 30 seconds
- No special impressions required
- Dual chamber bucket with anti-scratch coating (XS et L, S and M)
- Interchangeable bucket-holder tray
- Color touch-screen
- RS232, USB, RJ45 connections for data transfer
- Mini USB type B connection for maintenance

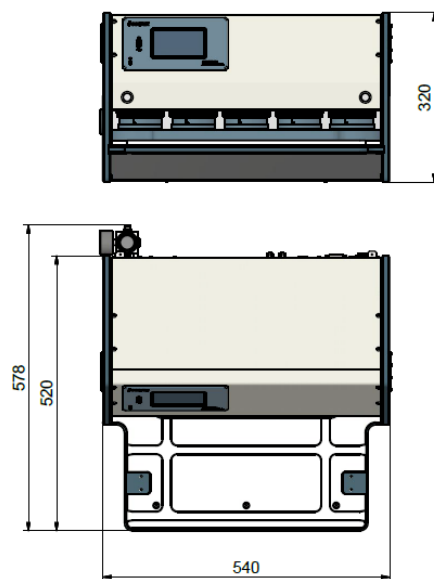
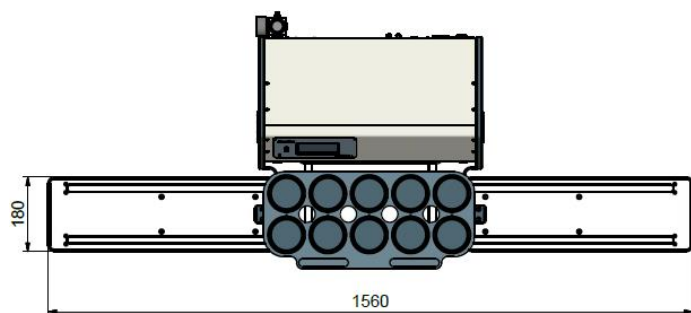
Software functions

- Intuitive menus in 5 languages
- Many adjustable parameters
- Simple and intuitive programming
- Specific per watch case or generic programs
- Memorize up to 250 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

Supply voltage :	110-230 V~ / 50-60 Hz
Power :	150 W
Minimum inlet pressure :	5 bar
Maximum inlet pressure :	12 bar
Ambient humidity rate :	Between 30 et 60 %
Ambient temperature :	20 to 28 °C
Weight :	62 kg (+15 kg transfer system)
Dimensions (l/d/h) :	540 (1'560) x 578 x 320 mm



Options and accessories

Transfer system



Possibility of loading in hidden time
(2 bucket-holder trays).

Weight :	15 kg
Dimensions (l/d/h) :	1'560 x 80 x 180 mm

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)

Transport and storage suitcase for 10 buckets



Content :	10 Buckets + 10 Control pucks 15'000 mm ³
Material :	Foam FT/PZ 29 (interior) Polypropylene case
Color :	Black
Empty weight :	900 g
Dimensions :	(l/w/h) 395 x 295 x 106 mm