

ProofMaster® CP



The ProofMaster CP – tightness tests made easy!

The ProofMaster CP does not need a compressed air supply thanks to its integrated compressor. Moreover, its smart test programmes, automatic test chamber and sensor actuation that all tightness tests can be carried out without a hitch. The ProofMaster's high-performance testing algorithm delivers high precision and reliability.

A complete testing solution for boutiques and service

Connect your ChronoMaster to the ProofMaster to analyse rate deviation, beat error and amplitude directly on your screen – and with the ChronoMaster Air, the process is wireless too. This enables you to deliver comprehensive watch testing with ease in both your shops and your service centres.

WiCoTRACE 3 and 4

The ProofMaster CP can work as a standalone device or it can be connected directly to a WiCoTRACE database. WiCoTRACE provides additional analysis and export features as well as professional local and central results management.

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ProofMaster CP

- Integrated quiet and high-performance compressor up to 5 bar and -0.5 bar vacuum
- Intuitive user interface with 5-inch touchscreen
- Increased productivity thanks to a fast measurement algorithm
- Completely automatic sensor input and test chamber closure and locking
- ScratchProtect: adjustable watch support for efficient protection against scratches
- Increased measurement robustness with shock and vibration detection
- Display of rate, beat error and amplitude when connected to a ChronoMaster or ChronoMaster Air
- Connect to a barcode scanner to identify the watch

	ProofMaster CP	ProofMaster CP PRO
Automatic sensor actuation and chamber closure, ScratchProtect and TouchClose	•	•
Quick select – simple and fast parameterisation		•
Fixed test programs	8	8
Parametrisable test programs with display of the leakage rate, adjustable limit and measurement time		50
Results memory		100
LeakFinder		•
WiCoTRACE	• ¹	•

¹ Only fixed test programs.

General

Operation/Display	5 inch colour screen with 800 x 480 pixel resolution and capacitive touch function
Languages	German, French, English, Spanish, Italian
Interfaces	2x USB type A 1x USB type B 1x RJ45 Ethernet Bluetooth and Wi-Fi (with optional dongle)
Dimensions	149 x 243 x 305 mm (W x H x D)
Weight	6.3 kg
Peripherals (optional)	Thermal printer Barcode reader ChronoMaster ChronoMaster Air
Shock detection	yes
Limit of watch size	Diameter: 70 mm Thickness: 30 mm Width: 85 mm

Measurement

Measurement principle	Analysis of watch case deformation under vacuum and/or pressure and with consideration of the deformation behaviour.
Deformation	Measuring range: -500 ... 1'200 µm Resolution: 0.01 µm

Measuring conditions

Measurement time	Automatic or manual ^{PRO} (20 ... 600s)
Pressure stages	up to 3 per test ^{PRO}
Vacuum	up to -0.5 bar
Pressure	up to 5 bar
Compressor	integrated
Filling times (typ.)	0 to -0.5 bar: 10s 0 to 1 bar: 15s 0 to 2 bar: 35s 0 to 3 bar: 60s 0 to 5 bar: 150s
Operating conditions	Temperature: 15 - 35 °C Relative humidity: max. 80 %