# 103 Ti UTC TESTAF

The traditional pilot chronograph.

- Tested and certified to the Technical Standard for Pilot Watches (TESTAF) by the Aachen University of Applied Sciences
- Second time zone on a 12-hour basis
- Case made of titanium, bead-blasted
- Ar-Dehumidifying Technology enhances functional reliability and freedom from fogging
- Functionally reliable from –45°C up to +80°C
- Captive pilot's bezel with minute ratcheting
- Sapphire crystal glass
- Transparent back made of sapphire crystal glass
- Pressure-resistant to 20 bar
- Low pressure resistant

Pilot watches are fitted with special functions and features. In the 20th century, they were the main means of time measurement in aviation. And to this day, they serve as an additional safety system in many aircraft. It is your task to plan and carry out the necessary flight manoeuvres using a pilot watch.

The 103 Ti UTC TESTAF can provide precisely this. This is because it was tested and certified by Aachen University of Applied Sciences in accordance with the technical standard for pilot watches (Technischer Standard Fliegeruhren, TESTAF). This is documented by a certificate and the TESTAF quality seal on the dial.

TESTAF guarantees that the 103 Ti UTC TESTAF fulfil all requirements of time measurement during flight operations, both under visual flight rules (VFR) and instrument flight rules (IFR), and that it is suitable for professional use as a pilot watch. This means, for example, that the 103 Ti UTC TESTAF ensures the elapsed times (second stop and minute stop) are perfectly readable, even at night. It thus fulfils an essential condition for IFR certification.

The 103 Ti UTC TESTAF safety concept is rounded off with SINN technologies such as Ar-Dehumidifying Technology for increased reliability and freedom from fogging, as well as functional reliability in a temperature range of –45°C to +80°C. The pilot's bezel with minute ratcheting has a captive connection to the case. The 103 Ti UTC TESTAF provides an additional time measurement element in the form of a second time zone on a 12-hour basis. This has proven to be very useful in aviation, as the flight times are documented in UTC. If the pilot adjusts the second time zone display accordingly, they can view the correct UTC on the dial at a glance without having to recalculate.

Aachen University of Applied Sciences provides detailed information about TESTAF at www.testaf.org.

# Technical details



### Mechanical Movement

- Valjoux 7750 GMT
- Self-winding mechanism
- 25 bearing jewels
- 28,800 semi-oscillations per hour
- Seconds stop function
- Shock resistant as per DIN ISO 1413
- Anti-magnetic as per DIN 8309

### Case

- Case made of titanium, bead-blasted
- Sapphire crystal glass in front, anti-reflective on both sides
- Transparent case back made of sapphire crystal glass, anti-reflective on the interior
- Case back screw-fastened
- Crown screwable
- Meet the technical requirements for waterproofness, as set out in standard DIN 8310
- Pressure-resistant up to 20 bar
- Low pressure resistant

### Functions

- Hours, minutes, subsidiary seconds
- Second time zone on a 12-hour basis
- Date display
- Chronograph
- Pilot’s bezel with minute ratcheting and luminous key mark

### SINN Technologies

- Ar-Dehumidifying Technology enhances functional reliability and freedom from fogging
- Temperature resistance technology, therefore functionally reliable at temperatures from minus 45°C up to 80°C
- Captive bezel

### Dimensions and Weight

- Case diameter: 41 mm
- Band lug width: 20 mm
- Case thickness: 17 mm
- Weight without strap: 69 gramme

### Dial and Hands

- Matte black dial
- Numbers and indices coated with luminescent colour
- Hour and minute hand coated with luminescent colour
- Stopwatch minute and stopwatch second hand coated with luminescent colour
- Stopwatch minute indices coated with luminescent colour

### Warranty

- 3 years