

## EZM 1.1

The mission timer made by professionals for professionals



- Limited edition to 500 units
- SINN Movement SZ01
- Case made of stainless steel, bead-blasted
- Case made with TEGIMENT Technology and therefore especially scratch-resistant
- 60-minute stop function from the dial centre
- Ar-Dehumidifying Technology enhances functional reliability and freedom from fogging
- Functionally reliable from  $-45^{\circ}\text{C}$  up to  $+80^{\circ}\text{C}$
- Sapphire crystal glass
- Crown on the left side of the case to prevent pressure on the back of the hand
- Captive pilot's bezel with minute ratcheting
- Mission timer design for optimal readability
- Pressure-resistant to 20 bar
- Low pressure resistant

In 1997, we introduced our first mission timer to the public – a chronograph that was virtually unbeatable in terms of functionality and clarity: the EZM 1. Made of titanium, the EZM 1 marked the ongoing development of a long range of mission timers for professional users. The first users we cooperated with were officials from what was then the newly established German Central Customs Support Group, ZUZ (Zentrale Unterstützungsgruppe Zoll), a special unit assigned to the German Customs Investigation Bureau – much like a special police commando unit. Since accurate time measurement is essential for such units when carrying out what can sometimes be extremely tricky operations, the officials opted for a highly robust chronograph with instrument-like precision. The number one requirement was the need for outstanding readability at a glance – a prerequisite in time-critical situations – and even under the most adverse conditions. The EZM 1 was thus the result of a direct collaboration between users and our engineers and master watchmakers. To mark the 20th anniversary of this mission timer, we are presenting the 500-piece limited-edition EZM 1.1 and thus continuing the tradition of the EZM 1.

Model for the SZ01: the Lemania 5100

One special feature of the chronograph is the crown and push-piece on the left side of the case to prevent pressure on the back of the hand and keep the watch from getting caught, even in time-critical situations. The SZ01 chronograph movement developed in house and used in the EZM 1.1 is based on the tried-and-tested Valjoux 7750 and designed in such a way that the watch has a centre-mounted, jump 60-minute stop hand. This makes it even easier and quicker to record stop times more accurately. The new design is modelled on the clear and precise readability of the renowned Lemania 5100 movement, which is no longer available. In terms of readability, the SZ01 offers two advantages: 60 minutes – rather than the usual 30 minutes – are counted in one sweep of the hand and the minute stop scale covers the entire diameter of the dial. In addition to

the chronograph function, the pilot's bezel can be rotated on both sides and used to record cumulative time. The captive countdown bezel features minute ratcheting. To further aid readability and recording of the time, all markings on the dial not relevant to the mission are muted in red.

#### Technical enhancements

Professional users must be able to rely on their equipment even in the toughest conditions – and the same applies to their watch. The EZM 1.1 therefore features a range of technologies. For example, Temperature Resistance Technology ensures reliable function at a temperature range of  $-45^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  while Ar-Dehumidifying Technology ensures greater functional reliability and freedom from fogging. The case itself is made of bead-blasted stainless steel, giving it a matt silk finish which prevents distracting reflections. The surface of the case has also been hardened using TEGIMENT Technology, making it especially scratch-resistant.

#### The mission timer celebrates 20 years

Wristwatches are also an important piece of equipment for other professionals. In addition to the aforementioned ZUZ, these include pilots, divers, firefighters, emergency doctors, rescue workers, special units of the German police force such as the GSG 9 and Germany's commando frogman force KSM (Kommando Spezialkräfte der Marine). It is for these professional users, who are very often deployed to protect their fellow citizens, that we have been developing mission timers for the past 20 years. From the EZM 1 to the EZM 16, all watches are strictly designed to meet the demands of a defined mission.

#### Form follows function

The principle on which our mission timers are based – form follows function – originates from architecture, but has also gradually been applied to product design in general. According to this principle, the design should be based exclusively on its intended function or purpose and incorporate new materials and technologies. In this respect, our company has gradually become a technology and case expert, manufacturing and fitting our mission timers with the best possible materials and components. To achieve this, it is often worth indulging in a little lateral thinking to see what is going on in other industrial sectors and fields of science. Only then can basic innovations be adapted for our watches, too.

#### Widely varying operational conditions

The use of modern technologies and materials is thereby not an end in itself, but rather a result of widely varying operational conditions. Each mission timer has been developed for a specific user group with highly individual requirements when it comes to their watch. Our mission timers must be able to withstand the most varying, challenging and complex external conditions, including wetness, magnetism, extreme heat and cold, major changes in temperature, vibrations, impact and knocks as well as aggressive liquids such as salt water or disinfectant. And often enough, everything at once. Basically, these watches have to withstand a great deal – especially when the going gets tough.

#### Optimum readability and rapid time-recording

Key to ensuring such functionality when developing these timepieces is our cooperation with experts in the respective fields, i.e. those actually using and relying on the high performance of the timepieces out in the field. Quite often these experts are faced with critical situations, where minutes and seconds become a matter of life and death – both their own and other people's. It is these users and even more so the respective conditions in which they operate that define and determine form and functionality. Many questions arise in the beginning: How can we better protect the watches? What will be required of the watch in extreme situations? What must it be able to withstand? Which functions are particularly important for this particular mission? Consequently, no two mission timers are the same – especially given the fact that each mission timer is equipped with functions relevant to the demands of its specific mission. Identical construction and design features are apparent, however. One general principle applies to them all: focus on the key essentials in terms of outstanding readability and rapid time-recording.

## Technical details

### Mechanical Movement

- SINN Movement SZ01
- Self-winding mechanism
- 28 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 stainless steel, bead-blasted
- Sapphire crystal glass in front
- 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, date display
- Chronograph with centred 60-minute and 60-second stopwatch hand
- Pilot's bezel with luminous key mark

### SINN Technologies

- TEGIMENT Technology and therefore especially scratch-resistant
- Ar-Dehumidifying Technology enhances functional reliability and freedom from fogging
- Functionally reliable from  $-45^{\circ}\text{C}$  up to  $+80^{\circ}\text{C}$
- Captive bezel
- Push-pieces with D3-System

### Dimensions and Weight

- Case diameter: 43 mm
- Band lug width: 22 mm
- Case thickness: 16,4 mm
- Weight without strap: 106 gramme

### Dial and Hands

- Mission timer design for optimal readability

### Warranty

- 3 years