

EZM 7

EINSATZZEITMESSER



Sinn

SPEZIALUHREN ZU FRANKFURT AM MAIN

Perfect coordination is called for the moment an emergency call is received by the fire brigade control centre. Regardless of whether a residential building is on fire, dangerous chemicals have escaped or there has been an accident involving a hazardous goods transporter — the fire brigade and rescue service teams are on the scene immediately. All the rescue coordinators now need a clear overview of where they are in the rescue schedule. SINN Spezialuhren provides a mission timer with bezel to time all the key operation times at the turn of a ring: the EZM 7 (Einsatzzeitmesser = Mission Timer).

The MISSION TIMER 7 — developed for the fire brigade.

A fire-fighter weighed down with heavy equipment and breathing apparatus, feeling his way through an unfamiliar building while confronted with smoke and flammable gases, needs to concentrate 100% on the task at hand: getting people out of harm's way, extinguishing the fire and preventing the spread of dangerous substances. Fire-fighters are very often tested to their physical limits. Which makes it all the more important for the rescue coordinators to know exactly how long the individual teams have been in the building and which

times should not be exceeded. There are strict breathing protection monitoring regulations. Each additional minute in the rescue zone can put lives at risk. Because the teams are at their physical limits when they pull back out.

With the professional support of fire chief Tomáš Stanke we have developed a mission timer designed to make reading all the main operation times stipulated in the German fire service manuals (Feuerwehr-Dienstvorschrift) **FwDV 7** and **FwDV 500** as simple as possible. Featuring a clear

set of safety symbols and the precision for which our specialist watches have long been renowned. From the maker of genuine pilot's watches and certified diver's watches made from top quality German submarine steel: in situations where your own safety can depend on the reliability of your mechanical watch, the EZM 7 passes the acid test every time. Featuring innovative technologies which help ensure impressive levels of accuracy and reliability even under the most severe conditions.

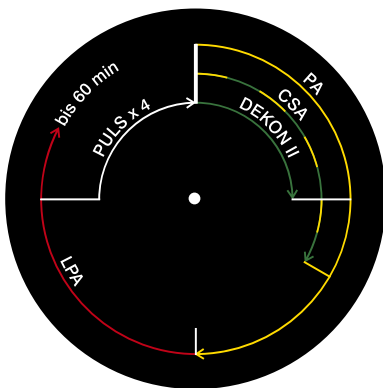


Every single action counts during a fire brigade call-out. When compressed air breathing apparatus is used, operations need to be carefully timed by the operation chiefs to ensure their teams' safety.

The Mission Timer EZM 7 combines clear safety symbols with characteristic SINN precision.



The key operation times at-a-glance.



The schematic representation of the main time phases for breathing protection and NBC rescue operations permits times to be read off at a glance.

The increasing risks faced by fire brigades in recent years have given rise to enhanced technologies and resulted in stricter regulations. Physiological limits and the times stipulated in Service Manual FwDV 7 and FwDV 500 issued by the German fire service are used as the basis for the following maximum operation times:

Using CSA (protective suit): **20 min.**

Using PA (compressed air): **30 min.**

Using LPA (closed circuit): **60 min.**

Checks should be made at 1/3 and 2/3 of the maximum operation time. The thirds are marked by points at 10, 20 and 40 on the bezel.

FwDV 500 states that the following times should not be exceeded for NBC operations: Standard decontamination (Decon level II) must be available for use **after 15 minutes.**

Green for Dekon II
Green/yellow for CSA

Yellow for PA
Red for LPA

Black circles marking the first and second thirds of the maximum PA/LPA operation time.



The colour-coded bezel of the EZM 7 corresponds to the pictogram on the dial, allowing the wearer to set and read off the key operation times in no time.

Colour-coded bezel for breathing protection and NBC rescue operations

We enlisted the services of Chief Fire Inspector Tomáš Stanke to help us design the colour-coded bezel and the pictogram on the dial. The scales are based on the traffic light colours green, yellow and red and help to provide a clear overview of the total durations in the first hour of the rescue, the so-called "chaos phase". They also show colour-coded rescue times for operations involving protection suits, CSA, PA, Dekon II and LPA.

The zero point of the bezel is set to the minute hand (zero position) at the start of the rescue time to be measured. It can now immediately appear when a team needs to be relieved, e.g. after 20 minutes in a protective suit CSA (green/yellow), after 30 minutes using PA (yellow) and after max. 60 minutes using LPA (red). Clear overview: the control points at 10, 20 and 40 minutes for the thirds checks for PA and LPA operations. In NBC rescue operations, the time when Dekon II is operational can also be read off the green scale.



EZM 7: Cowhide strap with contrast stitching, integrated in case.
 ø 43 mm (scale: 1:1)



EZM 7: Case and stainless steel bracelet featuring TEGIMENT technology. Solid stainless steel bracelet with fold-out overall extension.
 ø 43 mm (scale: 1:1)



EZM 7 with silicone strap.
 ø 43 mm (scale: 1:1)



Model **EZM 7** – Luminous.
 (scale: 1:1)

EZM7

EINSATZZEITMESSER

Case made of stainless steel, bead-blasted

Case featuring TEGIMENT-technology and therefore especially scratch-resistant

Ar-Dehumidifying Technology for enhanced freedom from fogging

Second time zone on a 24-hour basis

Nickel-free case back

Magnetic Field Protection up to 80,000 A/m

Captive mission timer bezel with minute ratcheting rotary in one direction

Sapphire crystal glass

Crown left at 9 o'clock

Functionally reliable from -45 °C to +80 °C

Pressure-resistant up to 20 bar (= 200 m water depth)

Low-pressure resistant

The Mission Timer EZM 7 with its colour-coded bezel is easy to operate, making it child's play to set and read off the relevant durations when using breathing protection apparatus — everything from protective suits CSA to LPA. The captive bezel can even be set when wearing gloves — like on our diver's watches. We have designed the EZM 7 for use in the most challenging conditions — it is especially resilient to the penetration of water and dust, to scratches, changes in temperature and the influence of magnetic interference. The tegiment case has a surface hardness of 1200 Vickers. And the sapphire crystal glass with anti-reflective coating on both sides and luminous indices ensures optimum readability by day or night. Ideal for heavy-duty use by fire brigades or rescue services.

Sinn

SPEZIALUHREN ZU FRANKFURT AM MAIN

Im Földchen 5-7 · 60489 Frankfurt/Main
 Telefon + 49 (0) 69 - 97 84 14 - 200 · Fax -201
<http://www.sinn.de> · vertrieb@sinn.de