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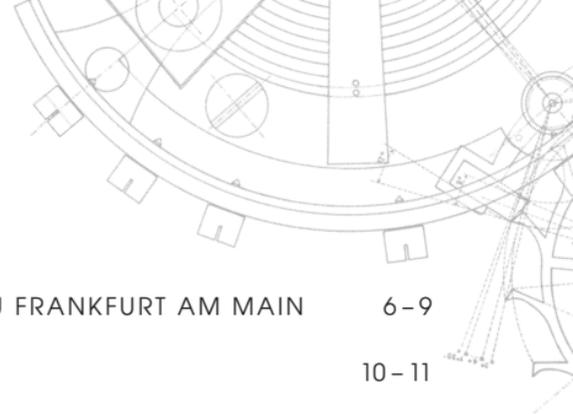


**U212 SDR**



*Sinn*

SPEZIALUHREN ZU FRANKFURT AM MAIN



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DEAR CUSTOMER,

since the company was founded in 1961, we have focused on the creation of high-quality mechanical watches. Nowadays, watch lovers associate innovation and patents with the name of SINN. And it's not just our diving watches that stand for high performance, robustness and durability, quality and precision.

These watches do, however, constitute an outstanding example of how we repeatedly push the limits of what can be achieved physically in development.

That's because we ask ourselves the question: what new technologies and materials can be used to make diving watches even more practical and safer?

It's often worth thinking outside the box to look at what is happening in other industries – for example, in submarine construction. It's not by chance, therefore, that the U1, U2, U200, U212, U1000 and UX series should be made from a special steel – developed by ThyssenKrupp for the outer hulls of the Class 212, the most modern, non-nuclear submarine in the world. The outstanding features of this quality German steel are ideally suited for use in our diving watches, offering among other things the highest anti-magnetic qualities and unique resistance to seawater.

Only right, then, that we should work closely together with an independent company from the world of technical maritime safety. Germanischer Lloyd from Hamburg tests and certifies the features of our diving watches – including to European diving apparatus standard, something unique for this kind of watch.

I am delighted that you have decided to buy a SINN diving watch and hope that it will continue to give you pleasure for many years to come.

Yours sincerely,  
Lothar Schmidt

A handwritten signature in black ink, appearing to read 'L. Schmidt', written in a cursive style.

## SINN SPEZIALUHREN ZU FRANKFURT AM MAIN

It was back in 1961 that the pilot and blind-flying instructor Helmut Sinn founded the company. Since then, we have been committed to producing high-specification mechanical watches. In 1994, the graduate engineer Lothar Schmidt took control. This marked the beginning of a new era for the SINN brand, because the new owner took a decisive step towards more innovation. Under his leadership, new technologies and materials were introduced, thus providing the crucial incentives for our company's evolution and gradual emergence as an insiders' tip for lovers of fine watches. Today, our name stands for technical innovations, much to the delight of both the trade and our customers alike.



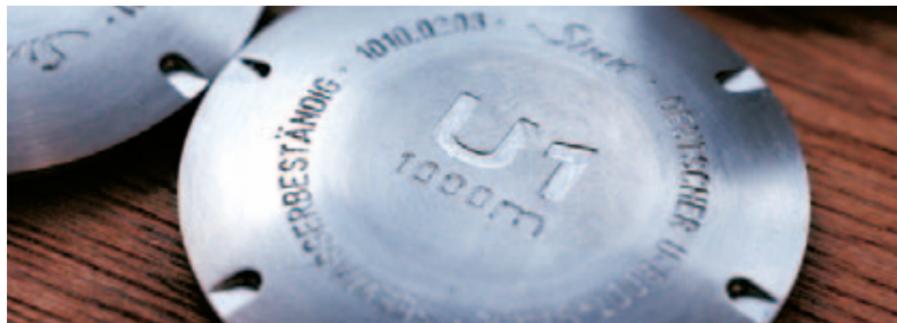
### All developments thoroughly tested

Take, for instance, the absolutely condensation-free and anti-reflective diving watch made of stainless steel – designed with HYDRO Technology. Other examples include a chronometer chronograph fashioned from a 22-carat gold alloy, which is as hard as stainless steel, and a chronometer whose resistance to magnetic interference is 20 times greater than normal. Or those watches filled with protective gas and featuring an integrated dehumidifying capsule to counteract moisture infiltration and the ageing of the watch movement. This list would not be complete without mentioning the development of so-called Einsatzzeitmesser (EZM) watches for special police units and border guards, and the Temperature Resistance Technology that allows mechanical watches to perform at temperatures ranging from  $-45^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ . The 303 KRISTALL model passed the fire and ice test during the 1998 Yukon Quest sledge dog race that crosses the icy wilderness of Canada and Alaska, where temperatures are known to plunge to  $-40^{\circ}\text{C}$ . The watch was strapped to the arm of some of the participants on top of their protective clothing. This was followed in 1999 by the 203 ARKTIS model. This diving chronograph passed its field test in the North Polar Sea with flying colours.



## Innovations and authentications

One of our most important inventions is the oil-free DIAPAL Technology, based on low-friction materials for the key functional parts of the watch, enabling them to run without lubrication. This technology was first employed in our jubilee watch, the palladium alloy/white gold Frankfurt Financial District Watch. TEGIMENT Technology, with which SINN achieves a virtually scratch resistance surface for its watches, represents another milestone. Other innovations include diving watches made from original submarine steel, as used in the construction of the outer shell of German class 212 submarines. Germanischer Lloyd, the world's biggest classification society providing marine safety services, has been testing the aspects of water and pressure resistance since 2005. Moreover, an official authentication process conducted by Germanischer Lloyd in 2006, SINN diving watches as diving gear for the very first time in the watch making sector and tested them in keeping with European diving equipment standards. The result: these timepieces passed the temperature resistance and functionality tests with a sensational success. All test results are authenticated with signature and seal.



## Ongoing advancement in technology and quality

Our top priority is always to develop watches which offer superior performance – both in daily and in professional use. Which is why our engineers are working continually to identify which innovative methods, materials and technologies are best suited for optimising our watches. Each new development first has to undergo rigorous practical tests before being incorporated. And no watch leaves our workshops before it has been subjected to thorough checking and fine adjustment by our master watchmakers.

## Workshop modifications and hand-engraving

From the robust case and the polished crystal through to elaborate refinements: we make sure that each and every detail in our watches is fit for purpose. The same applies to our workshop modifications. Only the perfect interaction of all components and technologies ensures that our watches can meet all its design specifications in full. For example: the SZ02 calibre of our U1000 diving chronograph. The 60 minute scale of the stop-minute counter is much simpler and more intuitive to read than the 30 minute scale commonly found in other watches. The hand engraving represents a highly personal form of refinement. If required, our specially trained master engraver can etch a name, initials, monograms or symbols onto the rotor, movement bridge and case back.





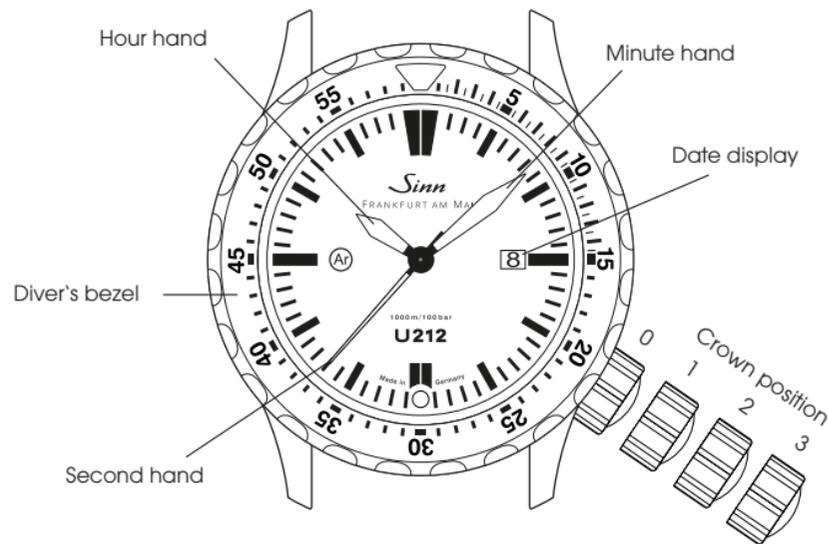
## **U212** SDR – THE DIVING WATCH MADE OF GERMAN SUBMARINE STEEL

**The diving watch U212 is a professional mission timer which uses genuine German submarine steel, a material with extreme seawater-resistance and the highest level of non-magnetic properties.**

In the movement itself, functional reliability between  $-45^{\circ}\text{C}$  and  $+80^{\circ}\text{C}$  is ensured by the SINN special oil 66-228. And that's not all: with the captive diver's bezel, this diving watch is well-equipped to measure the duration of a dive accurately.

Fogging of the dial poses a safety risk when diving. To prevent this, we use EDR seals. This material, with its extreme chemical resistance and only a quarter of the gas permeability of conventional seals, prevents moisture from diffusing into the diving watch. The scratch-resistant sapphire crystal glass withstands even the highest pressures. The case is equipped with the Ar-Dehumidifying Technology.

## INSTRUCTIONS FOR USE



### To wind the watch (crown position 1)

The crown is screwable (crown position 0). To loosen the crown, turn it *counter-clockwise*. The movement is wound by turning the crown *clockwise*. About 40 winds of the crown are generally enough to ensure its reliable functioning. Under normal circumstances, simply wearing the watch every day should suffice to keep the self-winding mechanism wound. The power reserve allows you to take off your watch overnight without having to rewind it.

### Time adjustment (crown position 3)

In crown position 3, the motion is paused. This helps you to set the watch precisely. For accurate time setting, we recommend moving the hand past the desired minute marker and then adjusting it *counter-clockwise*. Please make sure that the date changes at midnight and not at midday when adjusting the time. Move the hand forward until the date changes before you attempt to set the time. The movement restarts as soon as you leave crown position 3.

### Quickset date adjustment (crown position 2)

Set the crown in the position 2 and turn it *counter-clockwise* until the correct date appears in the date display window.

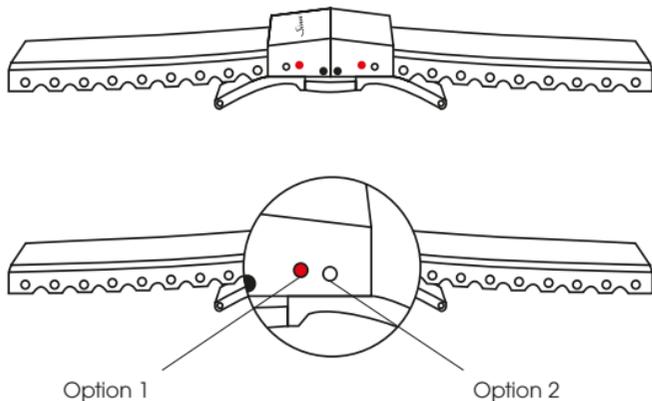
**Please take care to fasten the crown after making adjustments.**

## ADJUSTING THE LENGTH OF THE WATCH STRAPS

If you don't know how to shorten or lengthen the solid bracelet, please contact your SINN dealer or the watchmakers in our customer service department in Frankfurt am Main. Our customer service employees are also happy to help you on the telephone.

### How to install the strap with a small butterfly clasp

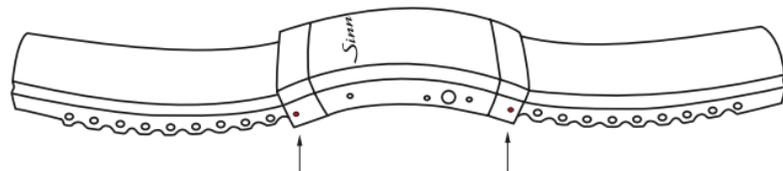
There are two ways of installing the spring bar using the small butterfly clasp. We recommend inserting the bar in the opening shown here in red. Should the silicone strap be too tight, use the second option (shown here in white).



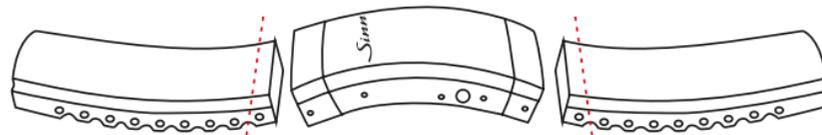
If you want to shorten the overall length of the silicone strap, refer to the steps on the right page.

### Adjusting the length of the silicone strap

1. Release the silicone band from the clasp. To do so, using the pointed end of the band replacement tool to push the spring bar out of the fastener. The other side of the spring bar can be removed while the fastener is open, enabling you to remove the silicone band.



2. Using a knife or scissors, cut the silicone band in the middle between two metal pins. You should shorten the band symmetrically and little by little, starting from the clasp, until you have reached the desired length. Test the length from time to time before proceeding. Shortening both ends by the length of one metal pin results in a total difference of 10 mm in the length of the strap; shortening one end reduces the length by 5 mm.



3. Remove the first metal pin and replace it with the spring bar. Then reattach the clasp to the band.

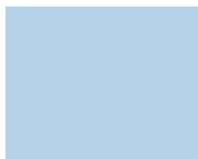
## Ar-DEHUMIDIFYING TECHNOLOGY

### Indication colours of the drying capsule



Pale blue

up to 25 %  
saturation



Light blue

up to 50 %  
saturation



Medium blue

up to 75 %  
saturation

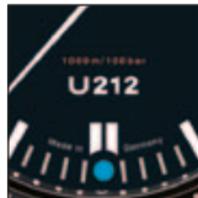


Dark blue

up to 100 %  
saturation



Initial condition



Drying capsule  
saturated

The colour scale for the Ar-Dehumidifying Technology: the capsule continues to absorb moisture until the darkest colouration is reached.

### Perfect freedom from fogging

All watches in this series are water-resistant as per DIN 8310. But even with watertight instruments, the air enclosed in the case contains water in a gaseous state. And air can also penetrate the seals and acrylic glasses. When the water vapour in the case condenses into liquid, the instruments are impossible to read. To prevent this from happening, we have developed the Ar-Dehumidifying Technology. The combination of a special drying capsule, EDR seals (**e**xtr**e**m**e** **d**iffusion **r**eduction) and a filling of protective gas guarantee that the crystal remains free from fogging, even in difficult conditions.

### Longer service intervals

The sophisticated Ar-Dehumidifying Technology considerably retards the aging process of the watch's inner workings and keeps the movement functioning properly for longer. That is why we issue a three year warranty on all our watches featuring Ar-Dehumidifying Technology. When the drying capsule is saturated (indicated by a deep blue colour, refer to picture on the left side), we recommend you have it exchanged so you can continue to enjoy all the advantages of the Ar-Dehumidifying Technology (enhanced reliability, longer maintenance intervals).



Luminous

## TECHNICAL DETAILS

### Mechanical Movement

- ETA 2892-A2
- Self-winding mechanism
- 21 bearing jewels
- 28,800 semi-oscillations per hour
- Seconds stop function
- Shock resistant as per DIN 8308
- Anti-magnetic as per DIN 8309

### Watch Case

- Case made of German submarine steel, bead-blasted
- Sapphire crystal glass in front, anti-reflective
- Case back screw-fastened
- Crown screwable
- Water-resistant as per DIN 8310
- Pressure resistant up to 1,000 m diving depth (= 100 bar), certified by Germanischer Lloyd, Hamburg
- According to the technical demands for the diving norm DIN 8306
- Tested based on European diving equipment standards EN250/EN14143 and certified by Germanischer Lloyd, Hamburg
- Low pressure resistant

### Functions

- Hours, minutes, seconds
- Date display
- Pilot's bezel with minute ratcheting and luminous key mark

### SINN Technologies

- TEGIMENT Technology, therefore especially scratch-resistant
- Bezel with Black Hard Coating on a TEGIMENT Technology basis
- Captive bezel
- Ar-Dehumidifying Technology enhances functional reliability and freedom from fogging
- Temperature Resistance Technology, therefore functionally reliable at temperatures from  $-45^{\circ}\text{C}$  up to  $+80^{\circ}\text{C}$

### Dial and Hands

- Matte black dial
- Hands and indices coated with luminescent colour



## SERVICE

### General advice

To preserve the water resistance for as long as possible, the watch should be rinsed whenever it has been in contact with seawater, chemicals, etc. If your watch is frequently worn in/under water, we recommend having its water resistance checked at yearly intervals.

The watch is designed to withstand high levels of mechanical wear and tear and is shock resistant as per DIN 8308. Nevertheless, it goes without saying that continual mechanical stress in the form of impacts or vibration will affect its durability. Care should therefore be taken to protect your watch from unnecessary wear and tear. It is only possible to judge how well the watch keeps time after it has been in operation for approximately eight weeks, since it takes that long for the working mechanism to become adjusted, especially in view of the fact that everybody has different lifestyles and habits. In the event of any excessive deviation, please keep a day-to-day record of its timekeeping over a period of about one week, for example.

### Do you have any questions?

Our employees will be pleased to advise you. Simply get in contact with us. We look forward to talking to you.

Telephone: + 49 (0) 69 / 97 84 14 - 400

Telefax: + 49 (0) 69 / 97 84 14 - 401

E-mail: kundendienst@sinn.de



**Should you send your watch in to customer service, we need to ensure the process goes smoothly, the following information:**

- Name, address, e-mail address and fax number (where applicable) and a daytime telephone number.
- A detailed description of the problem: Exact nature of the defect? At what time does the problem arise? How often does the problem occur?
- Wherever possible, please state the date of purchase and your customer no. (indicated on the invoice) or enclose a copy of the invoice.

For information about the process, please refer to the section entitled "Repairs" in our "General Terms and Conditions of Business". You'll find our "General Terms and Conditions of Business" on our website [www.sinn.de/en](http://www.sinn.de/en). We will be pleased to send you a copy of the "General Terms and Conditions," or you can contact our customer service department directly. For insurance reasons, we strongly recommend sending us any return goods by registered parcel post. As an alternative for customers in Germany, there is also the option of a collection service covered by transport insurance, on request. To ensure your request is dealt with smoothly, please call our customer service department! We regret that we are unable to accept deliveries with unpaid postage!

**Please send your watch to the following address:**

Sinn Spezialuhren GmbH  
Kundendienst  
Im Fuldchen 5-7  
60489 Frankfurt am Main  
Germany

You can also find comprehensive information about SINN, our watches and technologies at [www.sinn.de/en](http://www.sinn.de/en).



# Sinn

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Technische Änderungen vorbehalten.  
Subject to changes technical specifications.