

## U50 HYDRO SDR

The diving watch made of German Submarine Steel with HYDRO Technology.



- Case and crown made of high-strength seawater-resistant German Submarine Steel
- Water-resistant and pressure-resistant to 5000 m diving depth (= 500 bar), certified by an independent institute
- Tested based on European diving equipment standards and certified by an independent institute
- Thanks HYDRO Technology for perfect readability even under water and freedom from reflection at any angle and completely free from fogging
- Bezel with Black Hard Coating on a TEGIMENT Technology basis
- Functionally reliable from  $-20\text{ }^{\circ}\text{C}$  up to  $+60\text{ }^{\circ}\text{C}$
- Captive diver's bezel with minute ratcheting
- Crown at 4 o'clock to prevent pressure on the back of the hand
- Sapphire crystal glass
- Low pressure resistant

When impressive functionality, perfect readability and technological innovation come together, the result is versatile and robust timepiece such as the U50 HYDRO SDR – realised in a comfortably wearable size of 41 mm diameter!

One of the outstanding features of the U50 HYDRO SDR is concealed inside the diving watch, meaning that its incredible effect becomes most evident under water: HYDRO Technology. The benefits never fail to impress experienced users: reflection-free underwater readability from any angle, absolute freedom from fogging and – thanks to the special oil filling – water-resistant and pressure-resistant up to a diving depth of 5,000 m (=500 bar).

The watch focusses on a striking design with a display that concentrates on the essentials. It owes its outstanding suitability for everyday use to high-quality features with special materials, which ensure that the U50 HYDRO can withstand even the most adverse conditions. The case and crown are thus made of high-strength seawater-resistant German Submarine Steel. It is characterised by its extreme strength and exceptional non-magnetic properties. Another advantage that stands out for connoisseurs is its outstanding resistance to seawater. As a result, we have designed the rotating bezel to be captive in the case. The Black Hard Coating on rotating diver's bezel also puts an end to a disadvantage of conventional colour coatings: It does not flake off! The prerequisite for this is our TEGIMENT Technology, a special hardening of the submarine steel that prevents the coating from flaking off due to different material hardnesses.

The positioning of the crown at 4 o'clock also deserves special attention. This prevents pressure on the back of the hand – even during physically demanding activities.

Due to the aforementioned oil filling, this timepiece must be a quartz watch, as the oscillation of the balance in a mechanical watch would be unable to overcome the high damping resistance of a liquid medium. Nevertheless, watch lovers needn't forgo the reliability typical of SINN – the long-lasting lithium battery used ensures reliable function at temperatures ranging from –20°C to +60°C. The battery also has an exceptionally long service life. The movement's integrated EOL (end of life) function prevents the watch from stopping suddenly.

Whether for professional use or to cope with the demands of diving, the U50 HYDRO SDR is perfect for such challenges – as has also been confirmed by independent classification company DNV. On our behalf, it tests and certifies pressure resistance to a diving depth of 5000 m (= 500 bar) and temperature resistance and functionality in accordance with the European diving device standards.

## Technical details

### Quartz Movement

- Ronda 715 Li - SWISS MADE
- Battery with extremely long service life
- End of life function
- 5 bearing jewels
- Anti-magnetic as per DIN 8309
- Functionally reliable from -20 °C to +60 °C

### Case

- Case made of German Submarine Steel, bead-blasted
- Sapphire crystal glass in front, anti-reflective on both sides
- Case back screw-fastened
- Crown screwable
- Meet the technical requirements for water-resistance, as set out in standard DIN 8310
- Water-resistant and pressure-resistant to 5000 m diving depth (= 500 bar), certified by an independent institute
- According to the technical demands for the diving norm DIN 8306
- Tested based on European diving equipment standards EN 250 / EN14143 and certified by an independent institute
- Low pressure resistant

### Functions

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

### SINN Technologies

- HYDRO Technology for perfect readability even under water and freedom from reflection at any angle and completely free from fogging
- Bezel with Black Hard Coating on a TEGIMENT Technology basis
- Captive safety bezel

### Dimensions and Weight

- Case diameter: 41 mm
- Band lug width: 20 mm
- Case thickness: 11.8 mm
- Weight without strap: 72 gramme

### Dial and Hands

- Matte black dial
- Indices coated with luminescent colour
- Hour, minute and second hand coated with luminescent colour

### Warranty

- 3 years