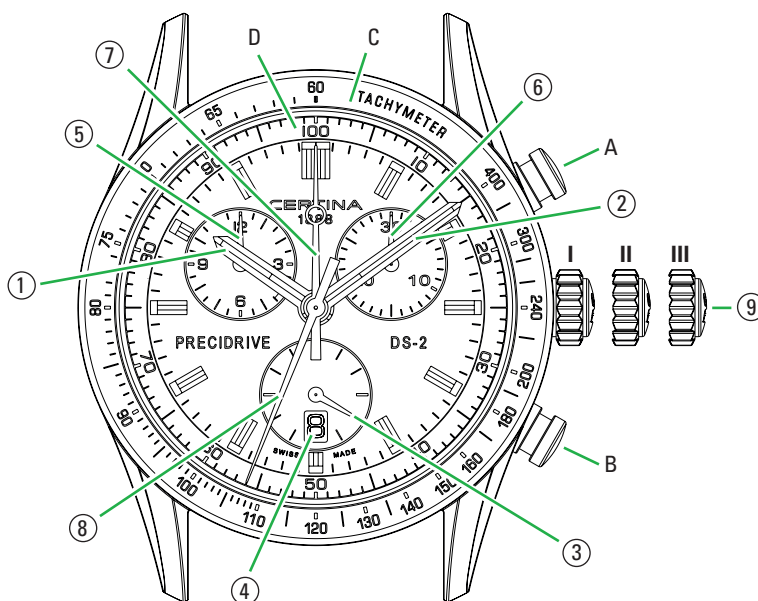


PRECIDRIVE 1/100-second Quartz Chronographs

User's Manual



Display and functions

Watch:

- ① Hour hand
- ② Minute hand
- ③ Seconds hand
- ④ Date indicator

Chronograph:

- ⑤ 12-hour counter hand
- ⑥ 30-minute counter hand
- ⑦ 60-second counter hand
- ⑧ 1/100-second counter hand
- A START/STOP pusher
- B SPLIT/RESET pusher
- C Tachymeter scale
- D 1/100-second scale

⑨ 3-position crown:

- I Rest position (screwed in*, not pulled out)
- II Date setting position (unscrewed*, half pulled out)
- III Time-setting position (unscrewed*, completely pulled out)

*** Models with screwed crown:**

- IA Initial position (screwed in, not pulled out)
- IB Neutral position (unscrewed, not pulled out)

Congratulations

We congratulate you on choosing a CERTINA® PRECIDRIVE chronograph. Meticulously assembled using high-quality materials and components, it is protected against impacts, temperature variations, water, dust and also benefits from the **DS** concept.

This manual is valid for CERTINA® 1/100-second quartz chronographs equipped with the PRECIDRIVE 251 movement. For the settings and operation of your PRECIDRIVE chronograph, please refer to the instructions below.

Your PRECIDRIVE chronograph allows you to time events lasting up to 12 hours to a precision of 1/100th of a second, and offers you the following functions:

- Standard chronograph START–STOP function
- ADD function (partial times)
- SPLIT function (intermediate times)

To ensure the operating precision of your chronograph for many years to come, we advise you to pay very careful attention to the advice given in this manual.

The **DS** (Double Security) concept is characterised by:

- its scratch and impact resistance,
- its tough sapphire crystal,
- a gasket inside the crown and a gasket around the winding stem guaranteeing the water resistance of the watch even when the crown is pulled out,
- a reinforced case back.

Settings

Models with screwed crown

To ensure even better water resistance, some models are fitted with a screwed crown (9). Before setting the time or date, you must first unscrew the crown (9) to position **IB**, before pulling it out to position **II** or **III**.

Important: After each operation, you must always screw the crown back in to ensure that your watch remains water-resistant. We advise against operating the crown (9) underwater.

Setting the time

Pull the crown (9) out to position **III**; the seconds hand (3) will stop, and the chronograph counter hands (5, 6, 7 and 8) will complete a turn of the dial (entering setting mode). Turn the crown (9) in either direction to the desired time, and then push it back into the rest position **I**. When the hour hand (1) passes the 12 o'clock position, you can see whether it is indicating midnight (the date (4) will change), or midday (the date (4) will not change).

Advice for synchronising your watch

To synchronise the seconds hand (3) with an official time signal (radio/TV/Internet), pull the crown (9) out to position **III**; the seconds hand (3) will stop. At the audible signal, push the crown (9) back into the rest position **I**.

Changing time zone or switching between summer time / winter time

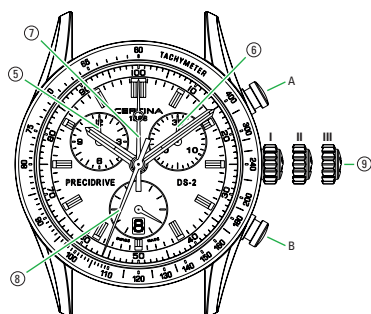
Pull the crown (9) out to position **II**. The chronograph counter hands (5, 6, 7 and 8) will complete a turn of the dial (entering setting mode). Turn the crown (9) in either direction until the desired time is displayed.

Rapid date correction

Pull the crown (9) out to position **II**. The chronograph counter hands (5, 6, 7 and 8) will complete a turn of the dial (entering setting mode). Turn the crown (9) in either direction until the desired date is displayed. During this operation, only the hour hand will be driven. When the hands pass midnight, the date (4) changes.

Tachymeter (according to model)

The tachymeter allows you to measure the average speed of a moving object. Start timing by pressing pusher (A), and stop it by pressing pusher (B) once a distance of 1 km has been reached. The chronograph seconds hand (7) will be pointing to the tachymeter scale (C), indicating the speed in km/h.



Resetting the chronograph counters

If necessary, the chronograph counters (5, 6, 7 and 8) must be reset before starting timing. Follow the procedure below: pull the crown (9) out to position **II** the counter hands (5, 6, 7 and 8) will complete a turn of the dial (entering setting mode). Each time you press pusher (A), a hand will complete turn of the dial (active hand); you can then return it to its starting position by repeatedly pressing pusher (B).

Hand activation order:

1. 1/100-second counter hand (8)
2. 60-second counter hand (7)
3. 30-minute counter hand (6)
4. 12-hour counter hand (5)

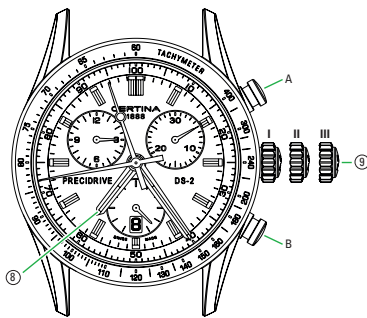


Fig. 1

Simple timing

The "simple timing" function enables you to measure individual events.

- A** START
- A** STOP
- Time readout (as per example in Fig. 1)**
 - 3 hours
 - 5 minutes
 - 57 seconds
 - 72/100 of a second
- B** Reset

NB: Before each timing operation, the chronograph hands must be at their start points. If necessary, refer to the paragraph **RESETTING THE CHRONOGRAPH COUNTERS**.

Note: All the timing functions are available with the crown in the rest position **I**. In the first minute of timing, 1/100ths of a second are displayed in real time by the 1/100-second counter hand (**8**). For the rest of the timing operation, the 1/100-second counter hand (**8**) remains in the midday position, and will only display 1/100ths of a second after you press pusher **A** or **B**.

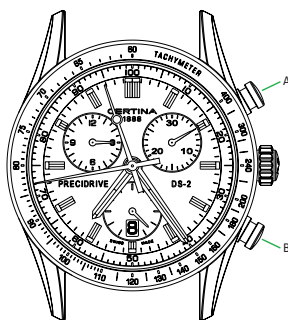


Fig. 2

ADD function

The **ADD** function enables you to measure consecutive events without having to reset to zero in between each event. Each time recorded is simply added to the previous total (**Fig. 2**).

- A** START
- A** STOP Readout
- A** RESTART
- A** STOP Readout
- A** RESTART
- A** STOP Readout
- B** Reset counters

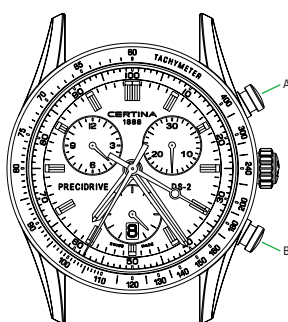


Fig. 3

SPLIT-TIME function

The **SPLIT-TIME** function enables you to stop the hands to read an intermediate time, without interrupting the timing. When you restart, the chronograph hands "catch up" to the ongoing elapsed time.

- A** START
- B** SPLIT 1
- Time 1 readout (as per Fig. 1)**
 - 3 hours
 - 5 minutes
 - 57 seconds
 - 72/100ths of a second

B RESTART (catch-up)

- B** SPLIT 2
- Time 2 readout (as per Fig. 3)**
 - 4 hours
 - 45 minutes
 - 20 seconds
 - 58/100ths of a second

B RESTART (catch-up)

- A** STOP
- Final time readout (as per Fig. 4)**
 - 7 hours
 - 55 minutes
 - 45 seconds
 - 22/100ths of a second

B Reset counters

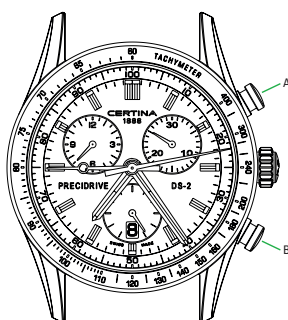


Fig. 4

Technical information

Winding

Quartz watches do not need to be wound.

PRECIDRIVE

PRECIDRIVE quartz chronographs, from CERTINA®, can boast not only the precision of quartz, but also their temperature variation compensated (thermo-compensated) rate, which is insensitive to moisture. This enables them to achieve a precision of around +/- 10 seconds per year (under normal conditions of use).

Automatic calibration

The POWERDRIVE motors used to drive the hands enable accurate and rapid adjustments. To ensure that they are working correctly, an automatic calibration is performed once an hour on both the central counter hands (**7** and **8**):

– One-step forward / backward movement

Or

– A complete dial rotation (alternating between the two hands)

These visible movements are part of the normal operation of the chronograph.

EOL function - (End of Life)

By means of a seconds hand (**3**) jump every 4 seconds, your chronograph tells you that the battery has reached its end of life, and will soon need to be replaced

Care and maintenance

We would advise you to clean your chronograph regularly (except for the leather strap) using a soft cloth and lukewarm soapy water. After immersion in salt water, rinse it in fresh water and leave it to dry completely.

Do not leave it anywhere exposed to high variations in temperature or humidity, direct sunlight or strong magnetic fields.

We recommend that you have your watch inspected every 3 to 4 years by your approved CERTINA® representative or retailer. To enjoy meticulous standards of service and to ensure your guarantee remains in force, please always consult an approved CERTINA® representative or retailer.

If you plan not to wear your chronograph for several weeks or months, we would advise you to store it with the crown (**9**) pulled out to position **III**. This cuts the electrical power supply to the motor, thereby extending battery life considerably.

Replacing the battery

The run time of a PRECIDRIVE chronograph from CERTINA® is generally more than 2 years in continuous use. Once the battery has been drained, it must be replaced without delay by an approved CERTINA® representative or retailer.

Battery type: silver oxide and zinc button cell, 1.55 V, No. 394, SR 936 SW.

Collection and treatment of end-of-life quartz watches*



This symbol indicates that this product should not be disposed of as household waste. It must be returned to an approved collection point. By following this procedure you will contribute to safeguarding the environment and human health. Recycling the materials will help to conserve natural resources.

** valid in EU member states and in any countries with corresponding legislation.*