



JUNGHANS

GERMANY. SINCE 1861

Quarzwerk

Quarz movement

J645.85

JUNGHANS - DIE DEUTSCHE UHR

JUNGHANS – THE GERMAN WATCH

Many congratulations on your purchase of a timepiece from Junghans.

What began in 1861 with the founding of the firm in Schramberg quickly developed into one of the most fascinating success stories of the German watchmaking industry. While since that time the demands made of watches may have changed, the Junghans philosophy has always remained the same. Innovative flair and the constant pursuit of precision right down to the smallest detail define how the company works and thinks. You can see and sense this in every watch that carries the Junghans name. For as diverse as the Junghans range may be, it pursues one single goal: to combine traditional craftsmanship with cutting-edge watch technology and exciting design. That makes every watch with the Junghans star unique.

We hope you will enjoy this very special time-keeping instrument.

Yours,
Uhrenfabrik Junghans GmbH & Co. KG

Contents

1. Operating elements and functions
2. Operating the chronoscope (stopwatch function)
3. Technical information
4. Impermeability
5. General information

Page

17

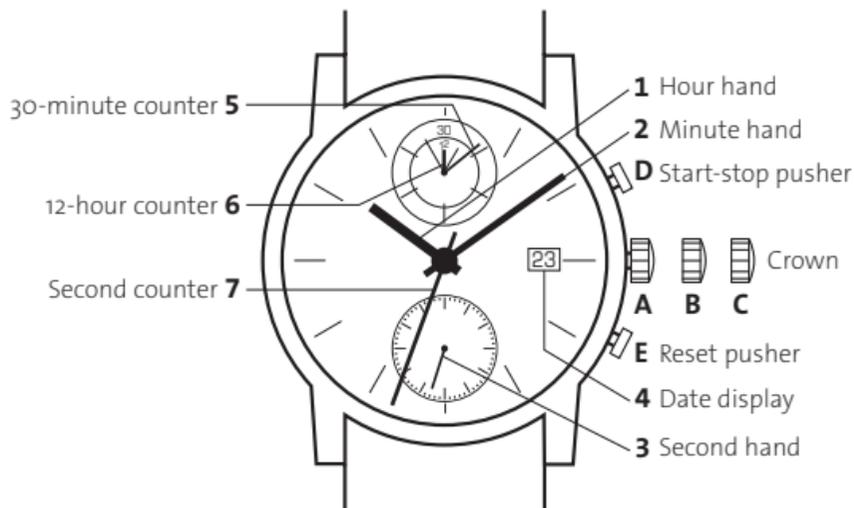
18

21

22

23

1. Operating elements and functions



Setting the time

Pull the crown into position C. That stops the watch movement. To set the watch accurately to the second it is best to stop the movement as the second hand is passing the figure 60. You can now position the minute hand precisely in line with the relevant minute marker and set the desired time. Return the crown to position A to start the second hand.

Setting the date

Pull the crown into position B. Rotate the crown to the right to set the date. **Date alteration should not be performed between 8:00 p.m. and 3:00 a.m., as the date is automatically advanced by the movement during this period and you could damage the advance mechanism.** If the month has less than 31 days, set the date manually to the first day of the following month.

2. Operating the chronoscope (stopwatch function)

Starting time measurement

Start the chronoscope function by pressing the start-stop pusher (D).

Stopping time measurement

Stop the chronoscope function by pressing the start-stop pusher (D) again.

Resetting

Press the reset pusher (E). The three chronograph hands (5, 6, 7) move back to the starting position.

Adding measured time

Stop times may be added by pressing the start-stop pusher (D) again after the initial measurement, instead of the reset pusher (E). The chronoscope hands will then recommence from the stopped position. Stop the chronoscope function by pressing the start-stop pusher (D) again. You can continue the addition until the maximum stop time is reached. To return the chronoscope hands to the starting position, press the reset pusher (E).

Measuring split times

During the time measurement process it is possible to display a split time without stopping the stopwatch process. To do so, start measurement using the start-stop pusher (D). To read the split time press the reset pusher (E). The time measurement continues in the background. Pressing the reset pusher (E) again results in the chronoscope hands advancing rapidly to catch up with the time that has elapsed. Further interim times can be displayed by pressing the reset pusher (E). Stop the chronoscope function by pressing the start-stop pusher (D) again. The final time is now displayed. To return the chronoscope hands to the starting position, press the reset pusher (E).

Setting the chronoscope counters to the zero position

If one or more of the chronoscope hands is not in the correct zero position (e.g. following battery replacement) you can adjust this as follows: Pull the crown to position C. All chronoscope hands move to the starting position. Activate the correction mode by simultaneously operating the start-stop pusher (D) and the reset pusher (E) for at least 2 seconds. The hand of the second counter (7) rotates through 360°. To set the second counter (7) press the start-stop pusher (D) briefly for a single step and longer for continuous setting, until the hand of the second counter (7) is directly on the zero position. By pressing the reset pusher (E) again you complete the positioning of the hand of the second counter (7) and switch to setting the minute and second counter hand (5+6, mechanically connected). To set the minute and second counter hands operate the start-stop pusher (D) briefly for a single step and longer for continuous setting, until the two hands are directly on the zero position. After correctly aligning all chronoscope counters, press the crown back to position A.

3. Technical information

Calibre J645.85

Quartz chronoscope with 30-minute and 12-hour counter

Battery 384 / SR 41 SW

Operating temperature 0° to + 50° C

Subject to technical alterations.

4. Impermeability

Marking	Instructions for use				
	 Washing, rain, splashes	 Shower	 Bath	 Swimming	 Diving without equipment
No mark	No	No	No	No	No
3 BAR	Yes	No	No	No	No
5 BAR	Yes	No	Yes	No	No
10 BAR	Yes	Yes	Yes	Yes	No

The designation "3–10 BAR" only applies to brand new watches. External influences can affect water resistance. Please have your watch checked regularly.

5. General information

External influences can affect the watch's waterproof qualities, which may let in moisture. We therefore recommend that you have your watch regularly inspected by your Junghans specialist. Other servicing tasks or wrist strap repairs should also be done by your Junghans specialist. Your watch is fitted with a quality wrist strap that has undergone multiple inspections in our factory. If, however, you decide to change the strap, please fit a new one of the same quality, preferably an original Junghans wrist strap. Watch and wrist strap can be cleaned with a dry or slightly moistened cloth.

NB: Do not use chemical cleaners (e.g. benzine or paint thinners). These may harm the surface.

Uhrenfabrik Junghans GmbH & Co. KG
Postfach 100 · D-78701 Schramberg
www.junghans.de · information@junghans.de