

ERHARD JUNGHANS



SEIT 1861

We are delighted that you chosen an *Erhard Junghans watch*.

Back in 1861 *Erhard Junghans* founded a business in the Black Forest town of Schramberg to make high quality, mechanical timepieces. More than 145 years after the foundation of this business, watches are once again being made in Schramberg under the *Erhard Junghans* brand.

These watches are made with extreme precision and care. Just like their historic predecessors, they feature exceptional quality and reliability, thus standing to an outstanding degree for that mark of great craftsmanship:

”Made in Germany”.

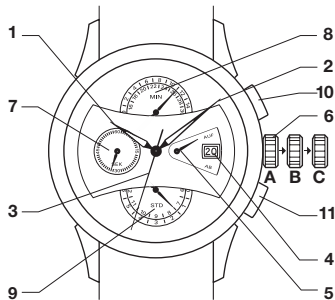
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Instructions for use

Winding up the watch

With the winder in the winding up position (position A), you can wind up the automatic movement manually. Just 2 or 3 turns are sufficient to start the movement going. It is better to wind it up fully, as this ensures that it will run with maximum accuracy and that its power reserve (even after the watch is put down) will last for the maximum period. If your model has a screw-locked winder, this must be unscrewed by turning it to the left to start your watch going. After you have set your watch, you should wear it, so that the automatic winding system (via rotor movement) keeps it constantly operational.

Features and functions Calibre J890.1



- 1 Hour hand
- 2 Minute hand
- 3 Stopwatch second hand
- 4 Date display
- 5 Power reserve display
- 6 Winder
- 7 Second hand
- 8 Stopwatch minute hand
- 9 Stopwatch hour hand
- 10 Start-stop button
- 11 Reset button

Setting the time

Pull the winder into position C. That stops the watch movement. To set your 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. Press the winder back into position A to start the second hand.

Setting the date

Pull the winder into position B. You can now set the date by turning it to the right. Do not make any changes to the date between 8pm and 3am, as the date is automatically advanced by the movement during this period and you could damage the date advance mechanism.

If the month has less than 31 days, you have to set the date manually to the first day of the following month.

Using the chronoscope

Starting time measurement:

You start the chronoscope by pressing the start-stop button (10).

Stopping time measurement:

You stop the chronoscope by pressing the start-stop button (10) again.

Reading the time:

The displays of the minute hand (8) and hour hand (9) are both equipped with a double-leaf hand. The following scales apply for reading:

	Stop minutes:	Stop hours:
Outer scale:	Minutes 0 to 15	Hours 0 to 6
Inner scale:	Minutes 16 to 30	Hours 7 to 12

Reset:

Press the reset button (11). This returns all three of the chronoscope hands to their starting position.

Adding measured times:

After measuring the first time, you can add times together by pressing the start-stop button again instead of the reset button. The chronoscope hands will then continue running from the stopped position.

Power reserve display

The power reserve display tells you how much time is left until the watch will stop.

"Up" – Shows the status of a fully-coiled spring. This indicates a power reserve of > 48 hours.

"Down" – signals the relaxation of the spring. This corresponds to a very low or non-existent power reserve.

Technical information

Mechanical 3-hand movement with chronoscope mechanism and power reserve display

Calibre J890.1

Bi-directional automatic winding mechanism with ball-bearing
41 jewels

28,800 semi-vibrations per hour

> 48 hour power reserve (without chronoscope function)

Anti-magnetic to DIN 8309






Shockproof: System Junghans

Spring: Flat spring

Balance: Gold-plated nickel

General information

Water resistance

Designation	User Information				
	 Washing, rain, splashes	 Showering	 Bathing	 Swimming	 Diving without equipment
no designation	no	no	no	no	no
3 ATM	yes	no	no	no	no
5 ATM	yes	no	yes	no	no
10 ATM	yes	yes	yes	yes	no

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

- Service work, such as repairs to glass, seal or strap, should only be performed by a specialised dealer. We recommend that you contact a Erhard Junghans partner.

You can find a partner in your area at www.erhard-junghans.de

- In the event of condensation entering your watch, the watch should be examined by service center without delay. Water entering the watch may cause damage.
 - Your watch is fitted with a high-quality strap that has been subjected to numerous tests at our company. Should you nonetheless wish to replace the strap, please use a strap of the same quality, ideally an original strap.
 - Watches with leather straps should not be exposed to strong UV rays.
 - Clean watch and strap with a dry or slightly damp cloth.
- Note: Do not use chemical cleaning materials (e.g. petrol or paint thinners). These may damage the surface.