



# Automatikwerk

Self-winding movement

J880.3

J880.4

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

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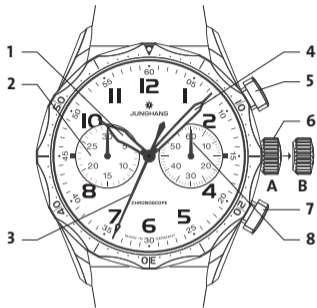
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## Features and functions

### Calibre J880.4



- 1 Hour hand
- 2 Minute counter
- 3 Stop second counter
- 4 Minute hand
- 5 Start-stop pusher
- 6 Crown
- 7 Reset pusher
- 8 Second hand

### Winding up the watch

With the winder in position A, you can wind up the automatic movement manually. At least 2 to 3 rotations of the winder are needed to start the movement. It is better to wind it up completely. It is fully wound up after c. 30 rotations of the winder, as then the maximum accuracy and its power reserve (even after the watch is put down) will last for the maximum period. After you have set your watch, you should wear it, so that the automatic winding system (via rotor movement) keeps it constantly operational.

### Setting the time

Pull the crown to position B. This stops the movement. To set the watch accurately to the second it helps to stop the movement when the second hand is over the 60. You can now set the desired time. To achieve a time display that is as accurate as possible, we recommend subsequently positioning the minute hand in a backwards movement. This serves to minimise the degree of tolerance in the trains. Example: You wish to set the time as 10.10. Rotate the minute hand clockwise until 10.20 is displayed, then set the time of 10.10 in anticlockwise direction. Return the crown to position A to start the second hand.

### Chronoscope functions

#### Initiating time measurement

Begin the chronoscope function by pressing the start-stop pusher (5).

#### Stopping time measurement:

Stop the chronoscope function by pressing the start-stop pusher (5) again.

#### Resetting:

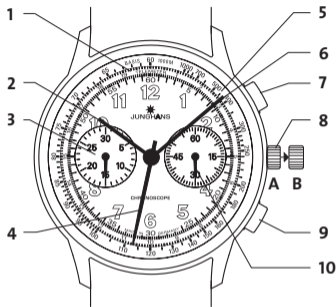
Press the reset pusher (7). This resets both stopwatch hands to their zero position.

#### Addition time measurement:

Press the start-stop pusher (5) again after the respective measurement to add the stop times. The chronoscope hands will then recommence from the stopped position.

## Features and functions

### Calibre J880.3



- 1 Telemeter scale (depending on model)
- 2 Hour hand
- 3 Minute counter
- 4 Stop second counter
- 5 Tachymeter scale (depending on model)
- 6 Minute hand
- 7 Start-stop pusher
- 8 Crown
- 9 Reset pusher
- 10 Second hand

### Winding up the watch

With the winder in position A, you can wind up the automatic movement manually. At least 2 to 3 rotations of the winder are needed to start the movement. It is better to wind it up completely. It is fully wound up after c. 60 rotations of the winder, as then the maximum accuracy and its power reserve (even after the watch is put down) will last for the maximum period. After you have set your watch, you should wear it, so that the automatic winding system (via rotor movement) keeps it constantly operational.

### Setting the time

Pull the crown to position B. This stops the movement. To set the watch accurately to the second it helps to stop the movement when the second hand is over the 60. You can now set the desired time. To achieve a time display that is as accurate as possible, we recommend subsequently positioning the minute hand in a backwards movement. This serves to minimise the degree of tolerance in the trains. Example: You wish to set the time as 10.10. Rotate the minute hand clockwise until 10.20 is displayed, then set the time of 10.10 in anticlockwise direction. Return the crown to position A to start the second hand.

### Chronoscope functions

#### Initiating time measurement

Begin the chronoscope function by pressing the start-stop pusher (7).

#### Stopping time measurement:

Stop the chronoscope function by pressing the start-stop pusher (7) again.

#### Resetting:

Press the reset pusher (9). This resets both stopwatch hands to their zero position.

#### Addition time measurement:

Press the start-stop pusher (7) again after the respective measurement to add the stop times. The chronoscope hands will then recommence from the stopped position.

### Tachymeter scale (depending on model)

The tachymeter scale indicates the average speed travelled over a defined distance. The scale is based on a distance of one kilometre.

At the beginning of the distance start the timing procedure by pressing the start-stop pusher (7). After one kilometre stop the timing procedure by pressing the start-stop pusher again (7). The second hand displays the average speed travelled on the scale.

For example: You are travelling as a PASSENGER in a car on the motorway. The reflector posts are at intervals of 50 m. You start the timing procedure at the first reflector post and end the procedure at the 21st. You have therefore covered a distance of one kilometre. The second hand now shows you the average speed.

If you require 30 seconds for one kilometre, your average speed is 120 km/h.



### Telemeter scale (depending on model)

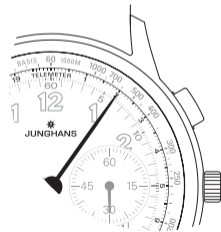
The telemeter scale is used to estimate the distance in kilometres between a visible light, e.g. a flash of lightning, and hearing the accompanying noise.

Begin the timing procedure by operating the start-stop pusher (7) on seeing the light, such as a flash of lightning. As soon as the sound of thunder is audible, press the start-stop pusher again (7). You can now read the distance of the storm in km on the telemeter scale.

An example: If the stop second hand on the telemeter scale stops at the "2", then the storm is 2 km away. (2000 m: 334m/s = 5.99 seconds = telemeter scale "2").

As light travels at the speed of light, the time that the flash of lightning requires to reach your location is negligible.

This is not the case with thunder, however, as this travels at the speed of sound, i.e. at approximately 334 m/s (at an air temperature of approximately 5°).



## Technical information






### Calibre J88o.3

Automatic movement with chronoscope function  
Bi-directional automatic winding mechanism  
28,800 semi-vibrations per hour  
Power reserve 42 hours (without chronoscope function)  
Anti-magnetic as per DIN 8309

### Calibre J88o.4

Automatic movement with chronoscope function  
Bi-directional automatic winding mechanism  
28,800 semi-vibrations per hour  
Power reserve 38 hours (without chronoscope function)  
Anti-magnetic as per DIN 8309

## Impermeability

Designation	User Information				
	 Washing, rain, splashes	 Showering	 Bathing	 Swimming	 Diving without equipment
<b>no designation</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>3 BAR</b>	<b>yes</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
<b>5 BAR</b>	<b>yes</b>	<b>no</b>	<b>yes</b>	<b>no</b>	<b>no</b>
<b>10 BAR</b>	<b>yes</b>	<b>yes</b>	<b>yes</b>	<b>yes</b>	<b>no</b>

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

**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.



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