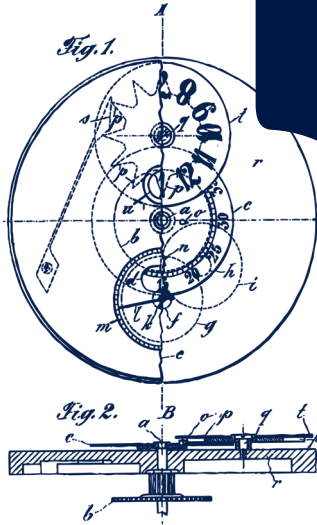


4  
CHRONO

USER MANUAL

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EBERHARD & CO  
*Manufacture Suisse d'Horlogerie depuis 1887*



1887

The Eberhard & Co. watch manufactory was founded by Georges Eberhard at La Chaux-de-Fonds back in 1887. Ever since, the venture has specialised in the making of chronographs.

In this capacity, it has attained a highly respected position in the world of high-grade watches. With the introduction, at a later stage, of sportively elegant watches it has furthermore augmented this status of the Eberhard & Co. brand name.

Eberhard's success story is backed by consistent deployment of advanced technology, meticulous craftsmanship and, not least, by observing that long tradition of superior workmanship which has made Swiss watchmaking a household name.

Today, with well over a century gone by, watches by Eberhard & Co. continue to stand for that high-grade quality and those excellent virtues which will please even the most demanding of connoisseurs.

# CHRONO 4

"Chrono 4" is the first chronograph in the history of watchmaking whose counters are arranged in one row. It's a genuine innovation both aesthetically and functionally, and it's a real revolution also from a technical point of view. To really imagine the refinement of the movement, one only has to consider the 53 rubies it "works" with. With said counters all lined up, read-offs are in fact obtained more readily seeing that it's all done in a natural progression: first we have the minutes elapsed since timing commenced, then we have the 24 hours and the small seconds, all of it ensuing in a very spontaneous, logical linear succession without a need to sort out the counters on the dial and the tasks they're assigned to. Eberhard & Co. has invented "Chrono 4" in the latest of innumerable efforts to update the measuring of time while simultaneously improving it and upholding the traditional values of the supreme art of watchmaking.

## INFORMATION REGARDING THE INTERNATIONAL GUARANTEE

We hereby guarantee your Eberhard & Co. watch against any defects in manufacture or materials for a period of 24 months, subject to normal conditions of use.

This guarantee does not cover:

- damage caused by improper technical handling or by shocks
- wear to the strap, glass, crown or any other part during normal watch use.

For technical revisions of the Eberhard & Co. "Chrono 4" model please contact only technical service facilities authorised by Eberhard & Co. The eventual shipping and insurance charges are to be paid by the owner.

We recommend to have the movement checked and overhauled every two years.

For our part, we shall always endeavour to give full satisfaction.



**A** Push button to start and stop the chronograph

**B** Push button for setting to zero all hands of the chronograph

**C** Winding crown

**D** Hours-hand of the watch

**E** Minutes-hand of the watch

**F** Small continuous seconds-hand

**G** Centre seconds-hand of the chronograph

**H** Small minutes-hand of the chronograph

**I** Small hours-hand of the chronograph

**L** 24-hours indicator

**M** Date

**N** Tachometer scale

## FEATURES

Mechanical chronograph with automatic winding and an exclusive device by Eberhard & Co. in the form of four counters aligned in one row. The crown is screwed in and water-resistant, the sapphire glass is vaulted, the caseback is fixed by 8 screws. The special sword-shaped hands and the “appliqué” hour indexes are marked by luminescent points to allow read-off when it’s dark.

The collection is available in the following versions:

- Case in stainless steel with crocodile leather strap or with steel Chalin bracelet.  
Water-resistant down to 5 atm.
- Case in 18 carat pink gold, with crocodile leather strap and 18 carat pink gold buckle.  
Water-resistant down to 5 atm.

## READING THE DIAL

On the “Chrono 4” dial there are 4 counters, arranged in one row, having the following functions:

- Small minutes-hand of the chronograph
- Small hours-hand of the chronograph
- 24-hours indicator
- Small continuous seconds-hand

The chronograph seconds are displayed by the centre-hand

The calendar is positioned at 12 o’clock

## DISTINCTIVE FEATURES OF THE MOVEMENT

Chronographic automatic movement, 28,800 vibrations per hour

- Micrometric regulator
- “Glucydur” balance for regulating the movement (the inoxidizable alloy of which has a low coefficient of expansion), combined with a self-compensating spiral; it is hence insensitive to temperature fluctuations and ensures an optimum regulation of the movement
- Number of rubies: 37
- 42-hours power-reserve under optimum conditions

Exclusive device by Eberhard & Co. with counters arranged in a row

- Number of rubies: 16

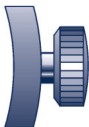
## OPERATING THE CROWN



POS. A - Screwed-in crown, water-resistance guaranteed.



POS. B - HAND-WINDING OF THE WATCH – To unscrew the crown turn it counter-clockwise. When it is unscrewed, turn it clockwise to transmit the manual charge to the movement. If your “Chrono 4” has not been worn for some time, the movement has to be wound manually, in order to obtain immediately a sufficient power-reserve and to ensure accurate working of the watch.



POS. C - RAPID DATE-SETTING – Pull the crown to the first catch. Turning the crown counter-clockwise, you can then set desired date.



POS. D - TIME SETTING – To set the time (hours and minutes), pull the crown to the second catch.

### IMPORTANT

To set back the crown, push it lightly against the watch case while turning it clockwise until it is fully screwed in again.

## OPERATING INSTRUCTIONS FOR THE CHRONOGRAPH

Press the push-button **A** to start the chronograph mechanism. Press the push-button a second time to stop the chronograph mechanism. You can now read on the counters how many seconds **G**, minutes **H** and hours **I** have elapsed. Press the push-button again and the chronograph will restart from the intermediate stop. To return to zero, the chronograph must be in the stop position. Press the second push-button **B** and all hands will return to zero. You are advised not to leave the chronograph mechanism operating continuously.

## PUSH-BUTTONS

Make sure push-buttons are always pressed in the following order:

**A** : start

**A** : stop

**B** : return to zero

Abide by this sequence quite severely so as to preclude damage to the mechanism.

Never make use of the push-buttons under water since they are not watertight while being pressed.

## TACHOMETER SCALE

The outer rim on the dial shows the data needed for metering the speed of a vehicle over a distance of 1,000 metres.

The moment the vehicle passes the first reading marking the beginning of said 1,000m distance, activate the hand **G** of the chronograph to bring it to a stop the moment the vehicle passes the second reading mark. Said hand **G** will now indicate the average speed reached in km/h in tune with the tachometer scale.

Example: when one kilometre is covered within 45 seconds, the average speed displayed by the centre seconds-hand **G** on the tachometer scale will be tantamount to a speed of 80km/h.

## DIRECTIONS FOR USE OF WATERTIGHT WATCHES

You may wear your "Chrono4" when in the water or when taking a shower, but it is not fit for breath-held diving, plunging or diving activities. Important: we strongly recommend that you have the crown well tightened before possible contacts with water. Do not activate the pushbuttons nor manipulate the crown as long as the watch is wet or in the water. After using in seawater, rinse the watch under fresh water. Exposure to temperature shocks should be avoided. We recommend that you have the water-resistance checked at least once a year by a qualified technical service facility in order to find out if the gaskets need to be replaced.



[www.eberhard-co-watches.ch](http://www.eberhard-co-watches.ch)