

PANERAI

LABORATORIO DI IDEE.

CHRONOGRAPHS





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**LUMINOR 1950 3 DAYS CHRONO FLYBACK - 44mm**  
**LUMINOR 1950 3 DAYS CHRONO FLYBACK**  
**ORO ROSSO - 44mm**

Officine Panerai presents the **Luminor 1950 3 Days Chrono Flyback**, a new chronograph with a flyback function and an automatic movement with a power reserve of three days. Available in a purely sports version in steel or as a more elegant one in red gold, the new chronograph is the first to be made by Officine Panerai using the new P.9100 calibre, developed and produced entirely in the House's manufacture in Neuchâtel.

The flyback function, controlled by a push-button at eight o'clock, instantly returns the chronograph hands to zero and simultaneously restarts without it being necessary first to stop them and return them to zero by pressing the stop and reset buttons. To make the times clear and easy to read, the chronograph minutes and seconds hands are both positioned centrally on the main dial and distinguished from each other by being different colours: the seconds hand is blue while the minute hand is steel or gold in colour, advancing instantly in one jump every 60 seconds. This choice of colours makes it possible to preserve the quintessential design for the black dial, with simple bar hour markers and numerals at the cardinal points, a date window at three o'clock and a small seconds dial at nine o'clock. The structure of the dial is that designed by Panerai in the late 1930s to ensure high visibility even in very low lighting conditions, and it is formed of two superimposed plates, the upper one being perforated corresponding to the markers on the dial so that the luminescence of the Super-LumiNova® can emerge.

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The case of the new **Luminor 1950 3 Days Chrono Flyback** is 44mm in diameter and water-resistant to 10 bar (about 100 metres), or 5 bar (about 50 metres) in the gold version. The materials used are of absolute excellence: the steel is AISI 316L stainless steel, extremely resistant to corrosion, and the red gold is 5Npt, an alloy with a high percentage of copper, which gives the colouring greater intensity, and a proportion of platinum, which helps to prevent any oxidation. Executed in the same case material and with a brushed finish, the characteristic bridge device with its lever for sealing the winding crown helps to ensure the high degree of water-resistance of the watch.

On the back of the case, the 12-sided caseback has at its centre a sapphire window which reveals the manufacture P.9100 movement. This is the first automatic chronograph calibre developed and made by Officine Panerai, and its sophisticated construction is revealed by numerous details. It has a vertical clutch, a column wheel, two spring barrels connected in series which give the watch a power reserve of three days, a rotor which winds the springs of the barrels by moving in both directions, and a variable inertia balance which oscillates at 28,800 alternations/hour. Consisting of 302 components, the movement is 13¾ lignes in diameter and 8.15 mm thick.

The **Luminor 1950 3 Days Chrono Flyback** (PAM00524) and the **Luminor 1950 3 Days Chrono Flyback Oro Rosso** (PAM00525) are part of the Contemporary Collection. The steel model is supplied with a black leather strap and the red gold one with a brown alligator strap. The straps are easily changed by means of the button fitted in the lug of the watch, which is operated by the special tool provided.



**LUMINOR 1950 3 DAYS CHRONO FLYBACK - 44mm**

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**Movement:** Automatic mechanical, Panerai P.9100 calibre, executed entirely by Panerai, 13¾ lignes, 8.15 mm thick, 37 jewels, Glucydur® balance, 28,800 alternations/hour. KIF Parechoc® anti-shock device. Power reserve 3 days, two barrels. 302 components.

**Functions:** Hours, minutes, small seconds, date, flyback chronograph, seconds reset.

**Case:** Diameter 44 mm, AISI 316L brushed steel. Brushed steel buttons with engraving for the chronograph functions at 8 and 10 o'clock.

**Bezel:** Polished steel.

**Back:** See-through sapphire crystal.

**Device protecting the crown:** (protected as trademark) Brushed steel.

**Dial:** Black with luminous Arabic numerals and hour markers. Date at 3 o'clock, seconds at 9 o'clock, central chronograph seconds and minutes hands.

**Crystal:** Sapphire, made of corundum, 1.8 mm thick. Anti-reflective coating.

**Water-resistance:** 10 bar (~ 100 metres).

**Strap:** PANERAI personalized leather strap and trapezoidal brushed steel buckle. Supplied with a second interchangeable strap, a tool for changing the strap and a steel screwdriver.

**Reference:** PAM00524.

**LUMINOR 1950 3 DAYS CHRONO FLYBACK ORO ROSSO - 44mm**

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**Movement:** Automatic mechanical, Panerai P.9100 calibre, executed entirely by Panerai, 13¾ lignes, 8.15 mm thick, 37 jewels, Glucydur® balance, 28,800 alternations/hour. KIF Parechoc® anti-shock device. Power reserve 3 days, two barrels. 302 components.

**Functions:** Hours, minutes, small seconds, date, flyback chronograph, seconds reset.

**Case:** Diameter 44 mm, 18 ct. polished red gold. Polished red gold buttons with engraving for the chronograph functions at 10 o'clock and 8 o'clock.

**Bezel:** 18 ct. polished red gold.

**Back:** See-through sapphire crystal.

**Device protecting the crown:** (protected as a trademark) 18 ct. brushed red gold.

**Dial:** Black with luminous Arabic numerals and hour markers. Date at 3 o'clock, seconds at 9 o'clock, central chronograph seconds and minutes hands.

**Crystal:** Sapphire, made of corundum, 1.4 mm thick. Anti-reflective coating.

**Water-resistance:** 5 bar (~ 50 metres).

**Strap:** PANERAI personalised alligator strap and 18 ct. polished red gold buckle. Supplied with a second interchangeable strap and a steel screwdriver.

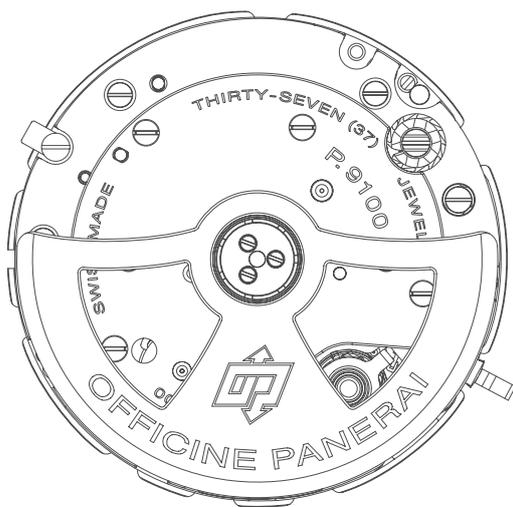
**Reference:** PAM00525.

## P.9100

The **P.9100** calibre is the first automatic movement with chronograph functions developed by Officine Panerai and it is produced entirely in the Officine Panerai manufacture in Neuchâtel, with materials and standards of workmanship at the peak of the sector in terms of technology, quality and reliability.

With a chronograph with a vertical clutch and column wheel, the new calibre is unusual in that the chronograph minutes are displayed by a central hand which jumps forward once every 60 seconds. It also has the useful flyback function. This enables the chronograph hands which are already running to be returned instantaneously to zero and restarted without it being necessary first to stop them and return them to zero, then to restart them. This function is controlled by the push-button at eight o'clock, which is also used to return both hands to zero when the chronograph has already stopped.

The **P.9100** calibre is 13¾ lignes (31 mm) in diameter, it is 8.15 mm thick, it has 37 jewels and it is made up of 302 components. The two spring barrels in series give a power reserve of 72 hours, equivalent to three days. The choice of the double spring barrel enables thinner, longer springs to be used, which is beneficial for the duration and evenness of the supply of energy. The automatic winding is carried out by a bidirectional rotor on ball-bearings operating two narrow arms terminating with hooks, which wind the springs of the barrels with every movement of the rotor itself. Supported by a single bridge with a KIF Parechoc® anti-shock device, the Glucydur® balance wheel oscillates at 28,800 alternations/hour (equivalent to 4hz) and it is the variable inertia type, with the regulation carried out by adjusting four square-headed screws fitted in the outer perimeter of the balance wheel; the spring is therefore free, without the curb pins which can be a source of irregular timekeeping.



### Functions

- Hours, minutes, small seconds
- Date
- Chronograph flyback
- Seconds reset

### Technical specifications

- Automatic winding
- Power reserve of 3 days
- 302 components
- 37 jewels
- 13¾ lignes in diameter
- 8.15 mm thick
- Two spring barrels
- Column wheel
- Vertical clutch
- Oscillation frequency 4 Hz
- KIF Parechoc® anti-shock device



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## **LUMINOR 1950 REGATTA 3 DAYS CHRONO FLYBACK TITANIO - 47mm**

The start of a vintage yacht race is a moment of remarkable beauty. The boats of every class, with timbers sometimes a hundred years old or more, gather together at the starting line between the buoys, driven only by the wind which fills the sails and by the skill of the captains and crews who with a few simple instruments must carry out complicated tactics to master the sea, the wind and time. Timing in particular is crucial: in the minutes preceding the start, marked by the ritual of the strict countdown signalled by the judges' flags, the Lords of the sea must line up behind the buoys without crossing the imaginary line before the race has started. It is not a simple operation for yachts which are often tens of metres long with an immense sail area exposed to the unpredictable nature of the elements.

These are passionate moments at the start of which Officine Panerai is well aware, given that since 2005 it has sponsored the **Panerai Classic Yachts Challenge**, the main international circuit of races for vintage and classic yachts. From the most beautiful locations of the Mediterranean Sea to the waters of the Solent, from the Caribbean Sea to the coast of New England on the East Coast of the United States of America, Officine Panerai gathers together each season hundreds of vintage yachts and thousands of sailors to celebrate the beauty, elegance and uniqueness of yachts which have been part of the history of sailing, since the end of the 19th century to which many of them date back.

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From the union of Officine Panerai and the world of classic sailing the **Luminor 1950 Regatta 3 Days Chrono Flyback Titanio** was born. This is a chronograph with an automatic movement and a three-day power reserve, fitted with the Regatta countdown function, specifically created for yacht racing starts.

The remarkable simplicity of using the Regatta countdown function is evidence of the excellence of the technical innovation achieved by the new P.9100/R automatic chronograph calibre, the movement of the new **Luminor 1950 Regatta 3 Days Chrono Flyback Titanio**. An orange push-button at four o'clock moves the central orange chronograph minute hand back one minute at a time, until it is at the correct position in relation to the length of the countdown. On starting the chronograph, by pushing the chronograph stop/start button at ten o'clock, the relative hands begin to move, indicating first the minutes and seconds which remain until the start, and then, when the countdown has finished, the time elapsed since the start of the race. The push-button at eight o'clock ends the time measurement, returning all the chronograph hands to zero. Alternatively, if it is operated while the hands are still moving, it activates the return-to-zero (flyback) function of these hands, thus enabling a new time interval to be measured immediately without having to operate the stop and reset buttons.

The black dial of the **Luminor 1950 Regatta 3 Days Chrono Flyback Titanio** has the sandwich structure and the classic Panerai design distinguished by the large linear hour markers and figures, enriched by the elements enabling the indications of the chronograph functions to be read. The chronograph hands are central and distinguished from each other by different, easily recognised colours, while the orange hand of the hours rotates within the small dial at three o'clock, mirroring the small seconds dial at nine o'clock. The flange carries not only the scale of up to 15 minutes for the countdown to the start, with the five final minutes picked out in orange, but also the tachymeter scale expressed in knots which enable the speed of the yacht to be measured over a defined distance.

The Luminor 1950 case has the characteristic Panerai lever device for protecting the winding crown and it is 47 mm in diameter. It is made of brushed titanium, a material which is light, strong and non-allergenic, contrasting with the polished bezel. On the back, a wide sapphire crystal window reveals the P.9100/R movement, with its rotor which winds the springs of the two barrels while oscillating in both directions, providing a power reserve of three days. The open back also permits the admiration of other details of the sophisticated chronograph movement, with its column wheel and variable inertia balance which oscillates at 28,800 alternations/hour.

Water-resistant to 10 bar (about 100 metres), as is to be expected of a professional sailing instrument, the **Luminor 1950 Regatta 3 Days Chrono Flyback Titanio** (PAM00526) is part of the Contemporary Collection. It is supplied with a rubber strap with strong sports connotations, using a patented Officine Panerai system enabling it to be easily replaced by means of the little tool provided with the watch.

## LUMINOR 1950 REGATTA 3 DAYS CHRONO FLYBACK TITANIO – 47mm

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**Movement:** Automatic mechanical, Panerai P.9100/R calibre, executed entirely by Panerai, 13¾ lignes, 9.55 mm thick, 37 jewels, Glucydur® balance, 28,800 alternations/hour. KIF Parechoc® anti-shock device. Power reserve 3 days, two barrels. 328 components.

**Functions:** Hours, minutes, small seconds, flyback chronograph, regatta countdown, knots scale for calculation of boat speed, seconds reset.

**Case:** Diameter 47 mm, brushed titanium. Engraved brushed titanium buttons for the chronograph functions at 10 o'clock and 8 o'clock. Brushed button and orange surface for the regatta function at 4 o'clock.

**Bezel:** Polished titanium.

**Back:** See-through sapphire crystal.

**Device protecting the crown:** (protected as trademark) Brushed titanium.

**Dial:** Black with luminous Arabic numerals and hour markers. Chronograph hour counter at 3 o'clock, seconds at 9 o'clock, central chronograph seconds and minutes hands.

**Crystal:** Sapphire, made of corundum, 1.6 mm thick. Anti-reflective coating.

**Water-resistance:** 10 bar (~ 100 metres).

**Strap:** PANERAI personalised rubber strap and trapezoidal brushed titanium buckle. Supplied with a second interchangeable strap, a tool for changing the strap and a steel screwdriver.

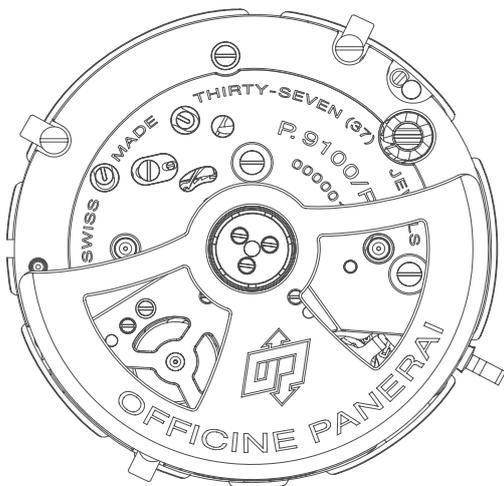
**Reference:** PAM00526.

## P.9100/R

Officine Panerai has for many years promoted the Panerai Classic Yachts Challenge, the most important international circuit of regattas for classic and vintage yachts. It has dedicated a series of watches to it which today have become cult items among collectors. The fascinating world of classic yachting shares with haute horlogerie the extraordinary ability to arouse great emotion and passion through a unique blend of history, technology, craftsmanship and beauty. Values which make every vintage yacht unique, as well as every Panerai watch. To celebrate its special link with the world of classic yachts, Officine Panerai has created the **P.9100/R** calibre, the first Panerai watch with a function specifically associated with the world of sailing: the Regatta countdown function for the start of the race.

The **P.9100/R** calibre is a development of the P.9100 automatic calibre with chronograph function. With its flyback chronograph with vertical clutch and column wheel, the **P.9100/R** is identical in architecture and diameter (13¾ lignes) to the P.9100 but it is a little thicker (9.55mm) and it has 26 more parts (328 altogether) as a result of the greater constructional complexity resulting from the addition of the Regatta countdown function.

The indication of the countdown to the start is displayed by the two central hands, and it is controlled by the push-button at four o'clock. The minute hand moves backwards by one minute each time the push-button is pressed, until it reaches the position required for the duration of the countdown. At this point it is only necessary to press on the push-button at ten o'clock to start the chronograph function. The hands begin to move, indicating the minutes and seconds which remain before the start, and when the countdown is completed, they continue to measure the time, thus displaying the time elapsed since the start of the race until the chronograph is stopped. The device which enables the minute hand to be moved backwards on operating the countdown function is controlled, like the whole chronograph, by the column wheel. This is taller than the one in the P.9100 calibre so that it can engage the correcting lever which is mounted higher up, because it is located on an additional plate.



### Functions

- Hours, minutes, small seconds
- Chronograph flyback
- Regatta countdown function
- Seconds reset

### Technical specifications

- Automatic winding
- Power reserve of 3 days
- 328 components
- 37 jewels
- 13¾ lignes in diameter
- 9.55 mm thick
- Two spring barrels
- Column wheel
- Vertical clutch
- Oscillation frequency 4 Hz
- KIF Parechoc® anti-shock device