

F.P.JOURNE
Invenit et Fecit

User manual - Collection Octa

A unique design based on an exclusive mechanism



P. JOURNE

Calibre Octa

An Horological Ideal_

The construction of the Octa calibre has less powerful ties with the history of horology as the constant-force device or resonance models do. Nevertheless, it symbolizes a horological ideal: giving timekeepers the highest possible degree of precision and autonomy.

It can be observed, that if church clocks are set so high in towers, apart from enhancing visibility, it was mostly because it often took an entire month for the driving weights to drop the length of their cords. Numerous systems were invented to increase the running time of timekeeper's devices, only meeting limited success. Given the restricted volume of a wristwatch, the size of the mainspring was immediately limited. Watchmakers then discovered the trick of adding an extra wheel to the customary gear train, in order to extend the length of its development. Unfortunately, using this system only led them to observe that the level of energy actually reaching the balance remained poor. To compensate, they fitted a smaller balance consuming less energy, but which also lost in stability. Therefore, it's not unusual to find watches that run for several days displaying an extremely unpredictable level of accuracy.

This challenge was a powerful source of motivation. I then imagined that the best and most obvious solution to lengthen the running time would be to increase the capacity of the spring development. Given its stability (1 metre and 1 millimetre thick), the challenge was to integrate it on the same level as the gear train and escapement. Thanks to the low torque of this spring, I could achieve extremely fast automatic winding (one and a half hour on a Chappuis cyclotest for over 5 day's running).

Once the challenge of autonomy was thus successfully met with this automatic winding calibre, I knuckled down to the second challenge of managing to insert various complications into that same movement: power reserve with large date display, fly-back chronograph with large date display, retrograde annual calendar, UTC and of doing so while maintaining an identical size for all models in the Octa collection. Three years of research and development were required before this one of a kind automatic calibre could be presented to the public.

François-Paul Journe


Octa Lune_ Ref. LN

The third model of the Octa line with automatic winding offers over 120 hours of chronometric power reserve, reminding us of ancient times when the full moon was the only source of light during the night. While today we no longer depend on moonlight for night vision, the moon phase indication remains one of the most poetic of all horological complications.

The hours, placed on the right hand side of the dial, are easily and quickly read.

Octa Divine_ Ref. DN

A worthy heir of the Octa line, the Octa Divine with automatic winding and central hour and minutes features several complications: small second at 5, phases of the moon at 7, power reserve between 9 and 10, and large date between 11 and 12.

One recognises F.P. Journe's characteristic aesthetic elegance, with the seconds circle placed in the lower right-hand section, and the hour and minute steel circle screwed onto the dial, a patented, brand-specific feature. The moon phase display is revealed by a metallised sapphire disc that advances by one notch each time the date changes.

For elegant and discerning ladies, F.P. Journe has created the Octa Divine in a 36 mm (Ref. D) case as the first jewellery model of the collection. It is available with 3 different diamond settings.

Octa Automatique Réserve_ Ref. AR

The Octa line introduces the Octa Automatique Réserve model with a silver guilloché F.P.Journe dial resembling that of the Chronomètre Souverain, and centered hour and minute hands for easier and more traditional time reading.

The arrival of the new Octa 1300.3 calibre symbolises the never-ending quest for optimum functionality and features a 22K red gold off-centered rotor with mono-directional winding and a self-locking ball bearing system. The ceramic balls allow the rotor to move in one direction, while blocking it in the other. Every infinitesimal movement is thus maximally exploited for optimized winding.

Octa Automatique Lune_ Ref. AL

Created the same year as the Octa Automatique Réserve, the Octa Automatique Lune, with a silver guilloché F.P.Journe dial, offers centered hour and minute hands for an easier and more traditional time reading.

The new Octa 1300-3 calibre results from the never-ending quest for optimum functionality and features a 22K red gold off-centered rotor that winds in only one direction, with a self-locking ball bearing system. The ceramic balls allow the rotor to move in one direction, while blocking it in the other. Every infinitesimal movement is thus maximally exploited for optimized winding.

Octa Calibre

Optimized winding system_

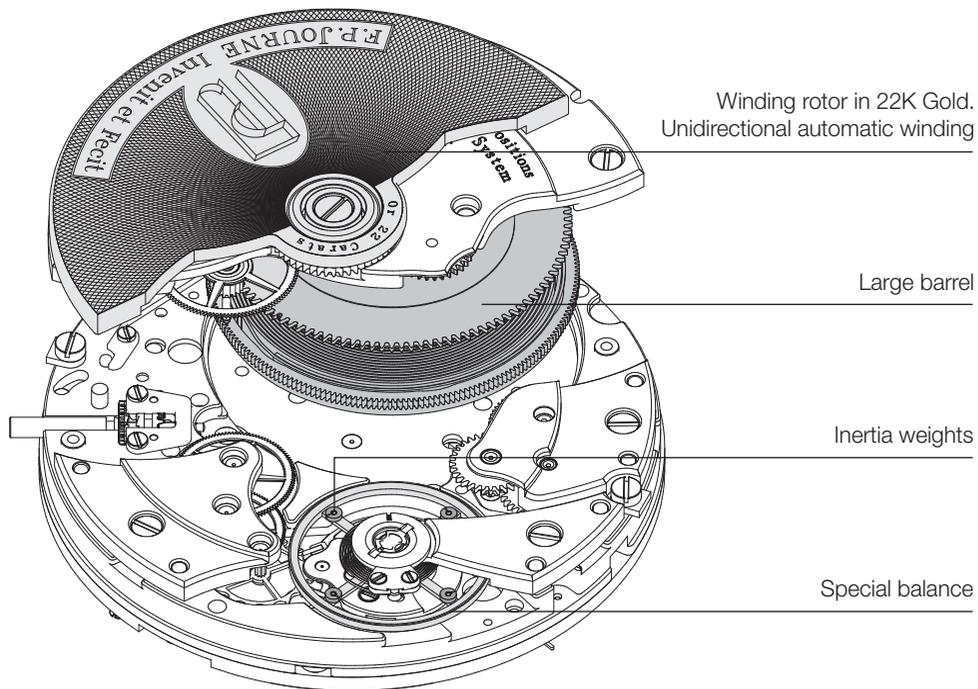
Always taking into account the notes and observations concerning his watches, François-Paul Journe states:

“I realized that one of my friend’s Octa was never completely wound because he works on a computer and his hand doesn’t move enough.”

From this observation he created the new Octa caliber (1300-3) that uses the slightest movement to automatically wind the watch. With talent, the watchmaker turns the problem around, and creates a new off centered rotor heavier in 22K gold, that winds in only one direction with a self-locking ball bearing system. The ceramic balls allow the rotor to move in one direction and block it in the other. This way, every infinitesimal movement is maximally exploited for an optimized winding of the watch.

The new calibre retains the characteristics of the classic Octa with: a five day power reserve (120h) and a variable inertia balance wheel for an optimum yield that offers each model of the Octa line an irreproachable stability. The Octa collection is conceived for all lifestyles, from the most extreme to the most quiet.

Mechanism of the Octa Calibre EP Patented System



Important!

On a rotating watch winder, for all models of the Octa line, program **274 rotations / 24 hours** to maintain the precision of the watch.

Turn only in the indicated direction!

Octa Réserve de Marche / Octa Automatique Réserve

Crown_

Manuel winding:

Your watch is automatically wound when worn.

If the watch is stopped, turn the crown in position **0** about a dozen times clock wise.

All models of the Octa Line offer an exceptional power reserve of 5 days (120 hours+).

The Octa models can operate longer than those 120 hours but the precision is thus not as efficient.

Setting the date:

Pull the crown in position **1** and turn anti clock wise.

A manual correction is necessary, except for the months with 31 days.

Setting the time:

Pull the crown in position **2** and turn anti clock wise to advance the watch hands.

It is strongly advised not to turn the hands in the other direction.

Power reserve:

The power reserve hand indicates the number of hours remaining for the watch to function.

Important!

Push the crown back in position **0** for the watch to work.

Octa Automatique Réserve



-  Hours and minutes
-  Seconds
-  Power reserve indicator
-  Large date
-  Crown

The hour, minutes and seconds dial in silver guilloché is fixed by a steel circle screwed* on the 18K gold dial.

*Patented system

Octa Lune / Octa Automatique Lune

Crown_

Manuel winding:

Your watch is automatically wound when worn.

If the watch is stopped, turn the crown in position **0** about a dozen times clock wise.

All models of the Octa Line offer an exceptional power reserve of 5 days (120 hours+).

The Octa models can operate longer than those 120 hours but the precision is thus not as efficient.

Setting the date:

Pull the crown in position **1** and turn anti clock wise. The moon phase will adjust simultaneously.

A manual correction is necessary, except for the months with 31 days.

Setting the moon:

Pull the crown in position **1** and turn clock wise.

Each jump is equal to one day.

Setting the time:

Pull the crown in position **2** and turn anti clock wise to advance the watch hands.

It is strongly advised not to turn the hands in the other direction.

Power reserve:

The power reserve hand indicates the number of hours remaining for the watch to function.

Important!

Push the crown back in position **0** for the watch to work.

Octa Lune



Octa Automatique Lune



The hour, minutes and seconds dial in silver guilloché is fixed by a steel circle screwed* on the 18K gold dial.

*Patented system

- Hours and minutes
- Seconds
- Power reserve indicator

- Large date
- Crown
- Moon phases

Octa Divine

Crown_

Manuel winding:

Your watch is automatically wound when worn.

If the watch is stopped, turn the crown in position **0** about a dozen times clock wise.

All models of the Octa Line offer an exceptional power reserve of 5 days (120 hours+).

The Octa models can operate longer than those 120 hours but the precision is thus not as efficient.

Setting the date:

Pull the crown in position **1** and turn anti clock wise. The moon phase will adjust simultaneously.

A manual correction is necessary, except for the months with 31 days.

Setting the moon:

Pull the crown in position **1** and turn clock wise.

Each jump is equal to one day.

Setting the time:

Pull the crown in position **2** and turn anti clock wise to advance the watch hands.

It is strongly advised not to turn the hands in the other direction.

Power reserve:

The power reserve hand indicates the number of hours remaining for the watch to function.

Important!

Push the crown back in position **0** for the watch to work.



- Hours and minutes
- Seconds
- Power reserve indicator
- Large date
- Crown
- Moon phases

Specifications

Octa Divine = **D**
Octa Automatique Réserve = **AR**
Octa Automatique Lune = **AL**
Octa Lune = **LN**

Movement_	Calibre 1300.3 Unidirectional automatic winding Movement in 18K rose gold
Dimensions of the movement_	Overall diameter: 30.80 mm Casing-up diameter: 30.40 mm Overall height: 5.70 mm Height of winding stem: 3.00 mm Diameter of stem thread: S0.90 mm
Balance_	Four adjustable inertia weights Anachron free-sprung flat balance spring Mobile stud holder Free sprung Nivatronic laser soldered balance spring Pinned GE stud Frequency: 21'600 v/h, (3Hz) Inertia: 10.10 mg*cm ² Angle of lift: 52° Amplitude: 12h dial up: > 280° 90h dial up: > 220°

Main characteristics_	<p>Three position crown: Winding of the watch in position 0, clock wise D / AR / AL / LN Correction of date in position 1, anti clock wise AR / AL / LN Correction of the moon in position 1, clock wise D / AL / LN Correction of time in position 2 D / AR / AL / LN Instant jump calendar D / AR / AL / LN Off centre winding rotor Barrel with slipping spring Escapement 15 tooth</p>
Indications_	<p>Off centre hours and minutes LN Centered hours and minutes D / AR / AL Small second at 4h30 D / AR / AL / LN Large date D / AR / AL / LN Power reserve at 7h30 D / LN Power reserve at 9h00 AR / AL Moon phases D / AL / LN</p>
Autonomy_	<p>160 ± 10 h. Winding speed on watch winder: 274 rotations / 24 hours</p>
Decoration_	<p>Circular Côtes de Genève on bridges Partly circular graining on baseplate Polished screw heads with chamfered slots Chamfered and circular grained wheels Steel components hand polished and chamfered</p>
Case_	<p>Platinum or 18K red Gold Diameter: D 36 mm, D / AR / AL 40 mm, LN 40 or 42 mm Total height: 10.6 mm</p>
Number of parts_	<p>Jewels: AR 40, D / AL 39, LN 37 Movement without dial: D 291, AR 277, AL 292, LN 289 Cased up with strap: D 331, AR 311, AL 329, LN 312</p>

Maintenance_

A maintenance cleaning is required **every four years** to preserve the precision of the watch.

Important_

Keep the original warranty card supplied with your wristwatch carefully. Your authorized **F.P. JOURNE** retailer will need this identity card for any after-sales servicing. For all maintenance or repair, your wristwatch must be entrusted only to an appointed **F.P. JOURNE** agent.

Warranty_

Your **F.P.Journe - Invenit et Fecit** watch is covered by a warranty against any manufacturing flaws for a period of **2 years** as of the date of purchase appearing on the back of the warranty card or certificate. The warranty is valid only on presentation of the original card or certificate, duly filled out by the authorised retailer (serial number, date of purchase, retailer's stamp). The warranty does not cover normal wear or damage resulting from abnormal use of the watch, accidents or alterations.

Warranty extension_

If your **F.P.Journe - Invenit et Fecit** watch was purchased at an **F.P.Journe Boutique**, your watch is automatically covered for a period of **3 years** as of the date of purchase appearing on the back of the warranty card or certificate. If your watch was purchased at an **authorized retailer**, we kindly invite you to register on <https://customerservice.fpjourne.com/en/guarantee> during the 30 days following the initial date of purchase to benefit from **an additional year of warranty**.