

ANTON SUHANOV

HOROLOGICAL ENGINEERING

presents

PHAROS



PHAROS

● THE MOST BRIGHT TRIPLE AXES TOURBILLON IN THE WORLD

Meet the unique Pharos table clock by independent watchmaker Anton Suhanov from St. Petersburg. The work has been carried out on them for several years, and we are pleased to show you the result.

Externally, the clock is stylized under the classic shape of a lighthouse, but the Pharos clock owes its name to the ancient lighthouse on the Pharos island. It was the story of the Pharos lighthouse, which was one of the seven wonders of the world, that served as the inspiration for the creation of this clock. That ancient building was far ahead of its time in terms of design and technology, existed for more than a thousand years, forever placed its history in the list of the greatest achievements of mankind of all time.

Since ancient times, with the development of shipping, lighthouses were built in order to help navigate ships in the dark or during a storm. For millennia, lighthouses have been architectural dominants at the borders of water and land. And where the great water is, so that's where a great danger is, therefore the lighthouse is also a symbol of hope. For many centuries, the tired eyes of sailors struggled to peer into the horizon with the hope to see the cherished light. After months of wandering around the sea, the flash of the lighthouse was the first to give tired travelers good news and the true happiness of homecoming.



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● PERFECT BALANCE AND A NEW PHILOSOPHY

To embody the essence of a lighthouse in the clock, the master had to completely review the existing clock designs and develop a philosophy of the clock movement from scratch. Especially for this clock, the lever escapement and the balance wheel with luminous inserts were developed. When the balance oscillates, the luminous inserts merge into a single flickering light ring, which is clearly visible from afar and in the dark, and symbolizes the flickering of light rays, or, like in ancient lighthouses, fire flames.

But the master didn't stop there, setting the goal so that the balance was clearly visible at any point. For this, a triple-axis tourbillon design was developed, allowing the balance to oscillate in three angles, and giving an overview in all possible directions. For maximum openness, a triple-axis tourbillon is located at the very top of the clock under the glass dome.

On the outer wheels of the third carriage, a second scale is applied, and since they rotate round the clock, the second indication is displayed to 360 degrees.

Around the tourbillon carriages, the diurnal clock scale is made coaxially with the rotation of the third carriage on the conical disk, and the time zone disk is concentrically located thereon. Time zones are numbered on the upper conical surface of the disk, and the large cities of these time zones are marked on the side on the cylindrical surface. This allows you to determine the time not only anywhere in the world, but also looking from any side of the clock.



PHAROS

specifications

Limited edition: 24 pieces



Indication:

Hours
Minutes
Peripheral seconds
World time
Power reserve



Case / Dial Materials:

stainless steel
Finishing techniques:
polishing, satin,
sandblasting
Case Parts: 30



Dimensions:

190 mm (height)
x 86 mm x 86 mm
Total number of parts
(movement + case): 472
Weight: approx 5 kg



Movement:

Balance Frequency:
2.5 Hz (18,000 pc / h)
Power reserve: 8 days
Movement Details: 442
Jewels: 27
Ball bearings: 11
triple axis tourbillion:
1st (inner) cage's cycle: 33,75 sec
2nd (middle) cage's cycle: 60 sec
3rd (outer) cage's cycle: 180 sec
Setting the time: a special key is
used to set the time (it is inserted
into a hole under the dial)
World time setting: rotation of
the ring with the cities
Winding: The key for winding
the clock movement is placed
on the barrel wheel from behind



Lighting:

Hours
Minutes
Balance wheel

