

The UR-1001 “TITAN” – Time to roll out the superlatives

Baselworld – March, 2015.

The UR-1001 “TITAN” is the craziest, most complex, most desirable, most high tech, most futuristic . . . in short, it's the most *badass* of all URWERK's creations. It's an assertive titanium Zeit device indicating seconds, minutes, hours, day, date, month, years, centuries and even millennia, all in a thoroughly original and innovative way.

What's more ? URWERK have provided the UR-1001 with a generously sized strap for wearing on the wrist. The “TITAN” is URWERK distilled to its pure essence.



The UR-1001 “TITAN” is so named because of its imposing titanium case of which the dimensions – 106mm x 62mm x 23mm – are as superlative as the complications within, making it an ideal platform for presenting URWERK’s savoir-faire.

- **A patented, revolving satellite complication** with wandering hour hand and retrograde minute hand.

Carrying three conical satellites bearing hour markers, the central carousel is the nerve center of the satellite complication. The carousel revolves on a precision ball bearing system so that no upper support bridge – which would block the stunning view – is required.

The retrograde minute hand is fixed to a sprung ring around the circumference of the satellite complication. This ring is pushed along a guide rail by the hour satellite. A swan’s neck spring on each arm of the carousel engages two coaxial star-cams that slide along the guide rail carrying the minute hand. When the minute hand gets to the end of the rail at 60 minutes, the star-cams trip over to release the minute hand, which springs back to zero at the start of the scale where it rendezvous with the next satellite hour.

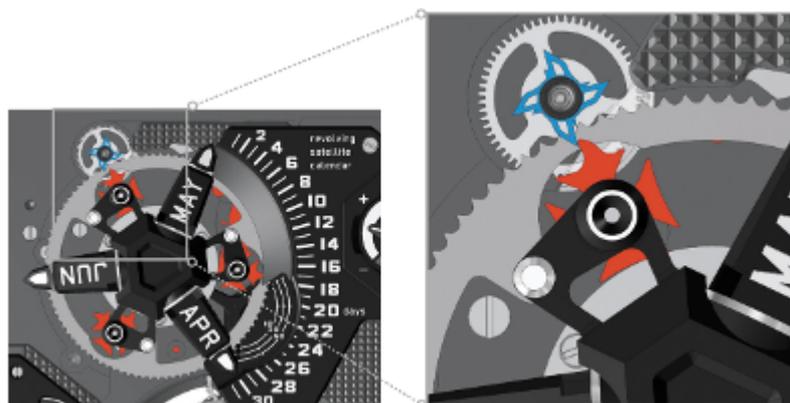


- **Revolving Satellite Calendar**

The Revolving Satellite Calendar is an original – both technically and graphically – calendar complication completely developed in-house by URWERK. Visually it is in the same family as the hour satellite complication, with months and date replacing hours and retrograde minutes. However, whereas the hours rotate across the minutes with unchanging 60-minute regularity, the month automatically adjusts the last date on the calendar complication according to whether it has 30 or 31 days.



Felix Baumgartner URWERK co-founder and chief watchmaker – reveals how the mechanism works: *“At the end of 30 day months — April, June, September and November — the date advances automatically to the 1st of the following month. At the end of the short months, a finger on a Maltese cross intervenes to make the date wheel advance two days to the next month.”*



- **Day Night and Power Reserve Indicator**

The Day/Night indicator is a rotating disc marked with Black Super-LumiNova for the night, white brushed-ruthenium for day and a striped mix for dusk/dawn. While useful in its own right, the Day/Night indicator comes into its own when setting the calendar mechanism.

The Power Reserve indicator monitors the amount of power in the mainspring up to 39 hours and features a red warning zone to remind the owner when the UR-1001 "TITAN" needs refueling.



Turning the UR-1001 “TITAN” over and lifting up its protective cover, an alternative universe featuring remarkably long time measurements can be discovered: Long-term indications – the 5-year “oil change” and 100-year and 1,000-year “odometers” – are displayed above the bottom of the satellite hours and retrograde minutes mechanism, its black surface punctuated by ruby jewel bearings.



- **“Oil Change” indicator.** The shortest time interval measured on the back is the 5-year “Oil Change” indicator at centre right, which alerts the user when a service is due after three years when the dial changes from white (years one to three) to red (years three to five). This counter is reset to zero when the timepiece is serviced.
- **100-year indicator.** The 100-year indicator advances in 5-year increments and acts like the odometer of a car. Where a car’s odometer keeps track of the total distance number at vehicle has driven, the 100-year and 1000-year indicators of the UR-1001 register the total running time of the movement.
- **1000-year indicator.** When the hand reaches the 100-year mark, the small pointer at the bottom of the 1000-year indicator on the left takes a small – small for the UR-1001 “TITAN”, but a giant leap for mankind – 100-year step upwards on its imperceptibly slow, but deliberate journey to a new millennium.

Fine finishing. The fine finishing and decoration throughout the case, dials and components of the “TITAN” are a harmonious blend of the contemporary and the traditional, echoing URWERK’s ethos of 21st century watchmaking based on a solid foundation of the very best in traditional horology. Circular lines engraved into the top of the case give hint to the fact that the form of the “TITAN”’s case is actually a circle with cut sides. Clous de Paris guilloché on the dial provides both a rich texture and a pleasing contrast with the flat surfaces on the indications. The satellites and their hands feature diamond-cut bevels that reflect light during the day, while flush embedded white Super-LumiNova ensures legible reading of the time at night. Clous de Paris guilloché surfaces continue on the back of the timepiece and in a tip of the hat to URWERK’s home, Geneva waves (Côtes de Genève) are engraved on sections of the bridge supporting the base of the Hour Satellite Complication.

The UR-1001 “TITAN” – Technical Specifications

Movement

Calibre:	UR-10.01
Jewels:	51
Escapement:	Swiss lever
Balance:	Monometallic
Frequency:	28,800v/h, 4Hz
Balance spring:	Flat
Power source:	Single mainspring barrel
Power reserve:	Unidirectional winding rotor
Time mechanism:	Retrograde minutes on aluminum ring with platinum counterweight, double star cam
Calendar mechanism:	93 tooth wheel, 3 Maltese crosses
Retrograde minutes:	Anti-shock safety device
Retrograde minute spring:	Spiral of 6.5 turns, dimensions 174.4mm x 0.1mm x 0.3mm with mobile piton (adjustable pin). Long length ensures flat torque curve
Surface finishes:	Circular-grained, Côtes de Genève and DLC treated mainplate and baseplate, chamfered and polished screw heads

Indications

Dial side	Revolving satellite hour complication Retrograde minutes Revolving satellite calendar with months and dates Day/night indicator: black Super-LumiNova for night, white brushed-ruthenium for day, mix for dusk/dawn Power-reserve indicator 39 hours with red low-power zone Running seconds: three-handed indication displaying 3 x 20 seconds on a 120° dial Côtes de Genève on Day/Night and Power Reserve indicator dials
Back side	“Oil change” indicator (5 years) Running-time indicator for 100 years Linear running-time indicator for 1,000 years
Surface finishes:	Sandblasted carousel PE-CVD and DLC treated mainplate, baseplate, dials and satellite complications Satin-finished and diamond-polished satellites Super-LumiNova treatment on markers
Setting and winding	Three-position winding crown Position 1 against case: winding Position 2 one click: month and date Position 3 two clicks: setting hours and minutes

Case

Material: Titanium
 Dimensions: 106mm x 62mm x 23mm
 Glasses: Sapphire crystal with anti-reflective coating
 Water resistance: Pressure-tested to 3ATM
 Surface finishes: Micro-sandblasted
 Strap: Black leather strap created based on an original design by URWERK

