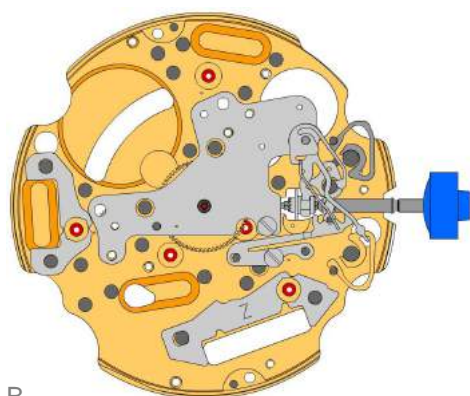
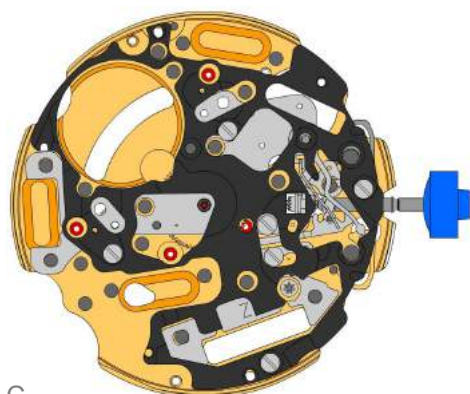





A



B





C


2000.574.G 1.		Platine
3305.290.CO 2.		Chaussée avec entraîneur (Aig.2, borgne)
3301.243 3.		Roue des heures (cpt 24h)


2030.017.CO 4.		Pont de centre Pont de centre tenue par 1 vis 4000.250. Les pièces 2030.017.CO, 3004.223 et 3500.059 doivent être échangées ensemble.
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4000.250 5.		Vis
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3001.055.FI 6.		Pignon coulant
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3000.177.CO 7.		Tige de mise à l'heure
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3017.049 8.		Tirette
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3905.049 9.		Sautoir de tirette (3 positions) Sautoir de tirette tenue par 1 vis 4000.250.
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
4000.250 10.		Vis
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3015.081 11.		Bascule (3 positions) Les pièces 3015.081 et 3905.067 doivent être échangées ensemble.
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3905.067 12.		Ressort de bascule Mise en tension du ressort. Les pièces 3015.081 et 3905.067 doivent être échangées ensemble.
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3406.030 13.		Sautoir de poussoir B Fixer le sautoir de poussoir gris entre les deux piliers plus loin.
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3406.038 14.		Sautoir de poussoir A Fixer le sautoir de poussoir jaune entre les deux piliers plus proche.
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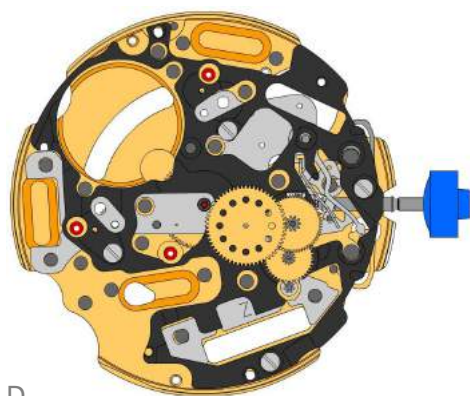
3622.040 15.		Stator Marquage [Z] sur le stator.
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3622.039 16.		Stator (cpt 6h, 9h, chrono)
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3603.079 17.		Potence plastique Potence plastique tenue par 4 vis 4000.250.
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4000.250 18.		Vis
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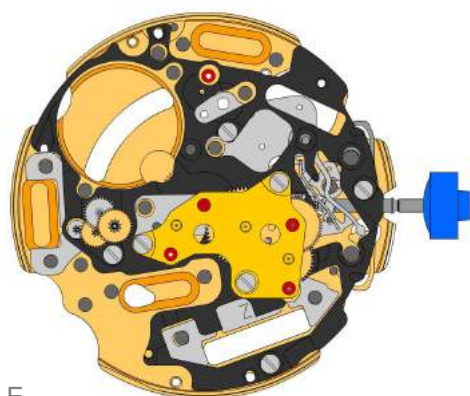
3715.094.RK 19.		Rotor
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D

3147.046.CO
20.  Roue intermédiaire

3136.142.CO
21.  Roue de seconde (longue)


3122.056.CO
22.  Roue moyenne



E


2020.148.G
23.  Pont de rouage
Pont de rouage tenue par 3 vis 4000.250.

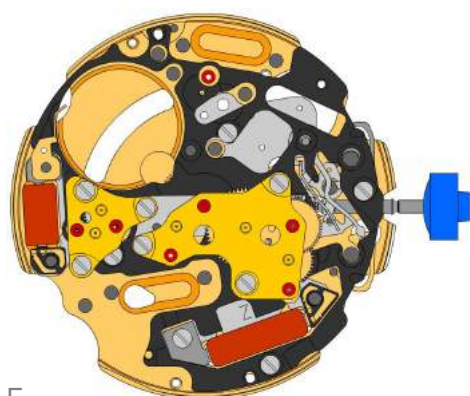
4000.250
24.  Vis

3715.095.RK
25.  Rotor

3147.048.CO
26.  Roue intermédiaire (cpt)


3007.055.CO
27.  Roue de minuterie (cpt 24h)


3402.007.CO
28.  Roue compteuse de minutes (24h)


F

2020.149.G
29.  Pont de rouage compteur
Pont de rouage tenue par 3 vis 4000.250.

4000.250
30.  Vis

3621.053.RK
31.  Bobine
Attention: Prendre la bobine uniquement par le noyau de bobine gris.
Bobine tenue par 1 vis 4000.250.

3621.054.RK
32.  Bobine (cpt 9h, chrono)
Attention: Prendre la bobine uniquement par le noyau de bobine gris.

4000.250
33.  Vis

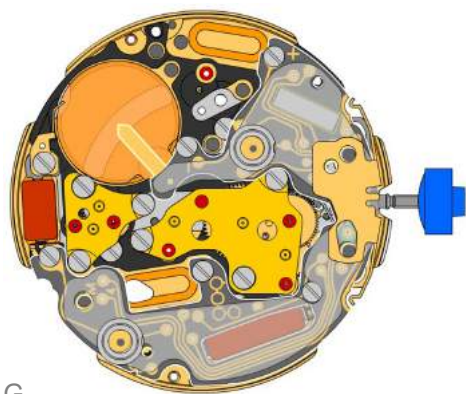
3601.118
34.  Bride contact
Bride contact tenue par 1 vis 4000.250.

4000.250
35.  Vis

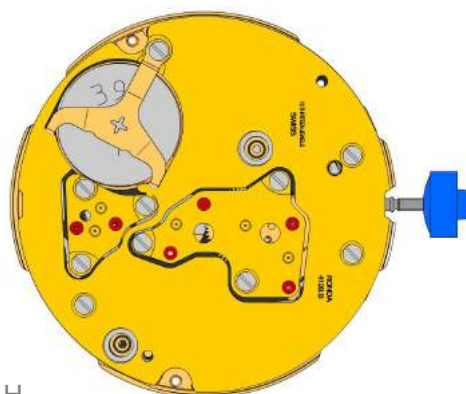
3603.034
36.  Isolateur pile

3503.054
37.  Tube

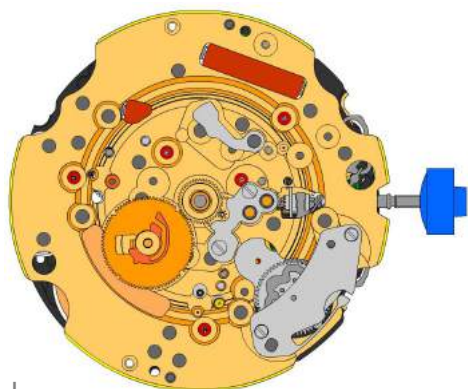
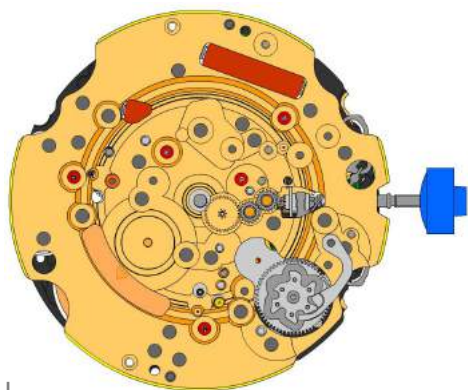
3503.054
38.  Tube


G

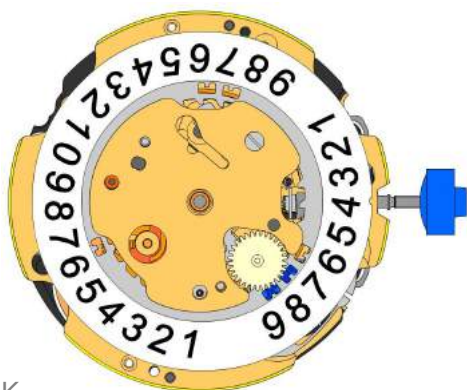
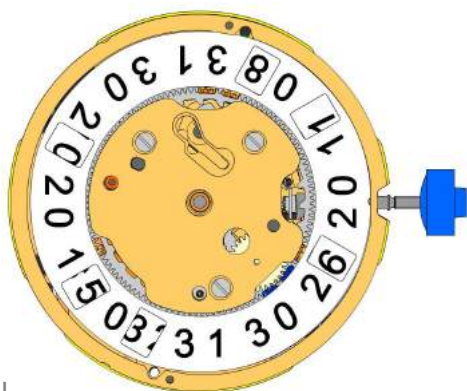
3612.176.4120 39.		Module électronique Module électronique tenue par 5 vis 4000.248. Les mesures électroniques peuvent être réaliser maintenant.
4000.248 40.		Vis
3603.069 41.		Isolateur de circuit Les mesures électroniques peuvent être réaliser maintenant.
3603.070 42.		Isolateur de contact
3603.070 43.		Isolateur de contact
3601.107.G 44.		Ressort contact pousoirs


H

2130.160.G.M01.4120B 45.		Couvre-module électronique Couvre-module électronique tenue par 3 vis 4000.250.
3600.010.HGF 46.		Pile 395
3601.109.G 47.		Bride + Bride tenue par 1 vis 4000.250.
4000.250 48.		Vis







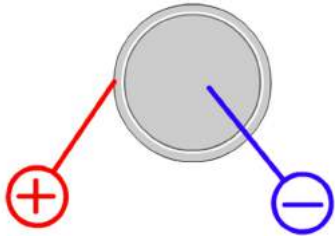
2000.574.G 49.		Platine
3004.164 50.		Renvoi
3004.164 51.		Renvoi
3007.054.CO 52.		Roue de minuterie
2130.143 53.		Pont du rouage de minuterie Pont du rouage de minuterie tenue par 2 vis 4000.305.
4000.305 54.		Vis
3004.223 55.		Roue entraîneuse des dizaines Les pièces 2030.017.CO, 3004.223 et 3500.059 doivent être échangées ensemble. Positionnement de la dent courte de la roue entraîneuse des dizaines en direction le centre du mouvement.
3500.059 56.		Sautoir des dizaines Les pièces 2030.017.CO, 3004.223 et 3500.059 doivent être échangées ensemble.
2130.142 57.		Plaque de maintien du sautoir des dizaines Plaque maintien sautoir des dizaines tenue par 2 vis 4000.306. Mise en tension du ressort.
4010.306 58.		Vis
3301.242 59.		Roue des heures (Aig.2)
3315.016 60.		Clinquant
3004.224.CO 61.		Roue entraîneuse de quantième
3500.049 62.		Sautoir de quantième


K

L

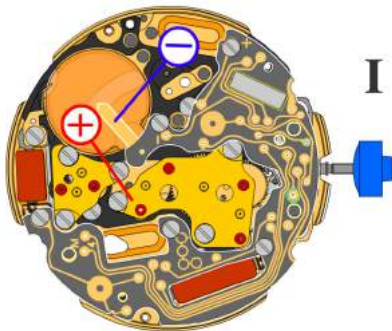
3504.214.AD.1.A 63.		Indicateur des unités (standard) Marquage de l'indicateur à 3 heures.
3147.054 64.		Roue intermédiaire dizaines
2130.141 65.		Plaque de maintien de l'indicateur de quantième Plaque maintien indicateur de quantième tenue par 1 vis 4000.250.
3905.070 66.		Ressort du sautoir de quantième Insertion du ressort sautoir de quantième dans l'ouverture.

3504.215.AD.1.A 67.		Indicateur des dizaines (standard) Marquage de l'indicateur à 3 heures.
2130.140.G 68.		Plaque de maintien du mécanisme de quantième Plaque maintien mécanisme de quantième tenue par 2 vis 4000.250.
4000.250 69.		Vis
3506.072.G 70.		Support de cadran

8200 71.		Moebius 8200
9014 72.		Moebius 9014
124 73.		Jismaa 124
9020 74.		Moebius 9020

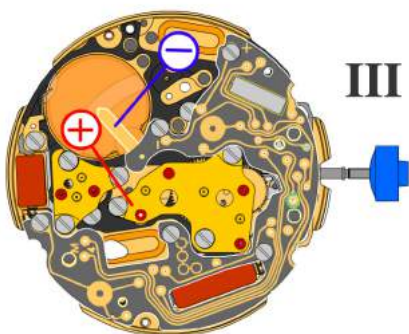


Pile	395
Tension	1.55 V



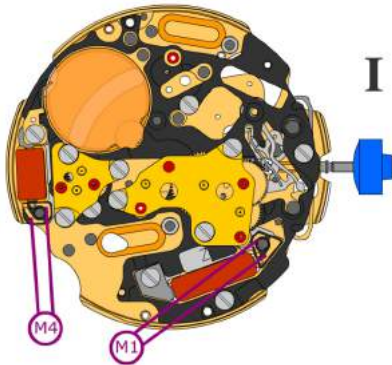
Tige de mise à l'heure en position I, calendrier hors engrenage, intervalle de mesure 60 s pour la marche et la consommation:

Consommation typique	1.42 μA
Consommation maximale	1.65 μA
Marche	-10s/M. .. +20s/M.
Limite inférieure de la tension de fonctionnement	1.20 V



Tige de mise à l'heure en position III, intervalle de mesure 60 s:

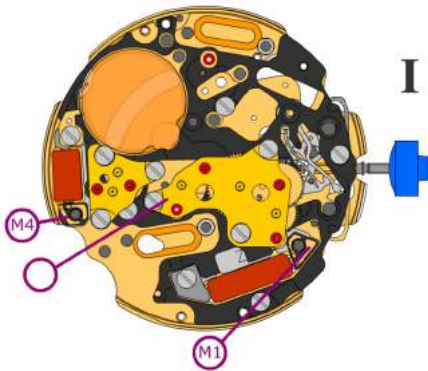
Typical consumption	0.10 μA
Maximal consumption	0.30 μA



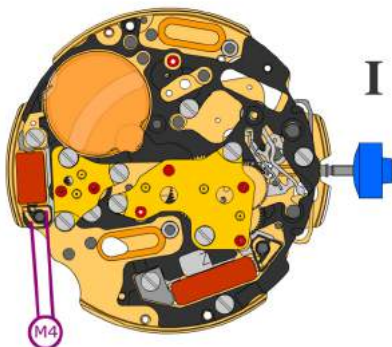
Résistance de la bobine M1

1.90 k Ω .. 2.10 k Ω

Résistance de la bobine M4

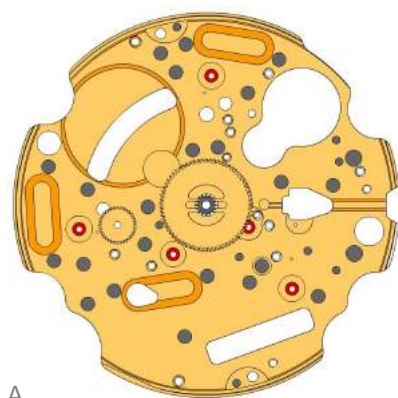
1.68 k Ω .. 1.88 k Ω


Isolation de la bobine M1/M4

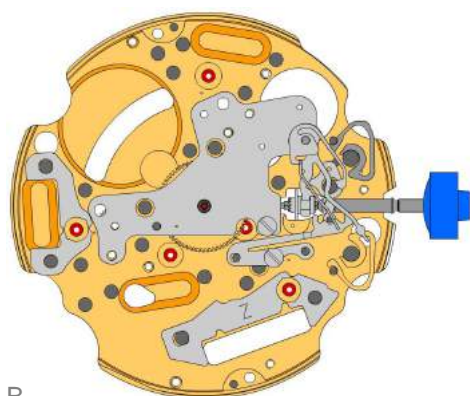
 ∞ k Ω

Générateur d'impulsion
(4.9 ms, 8 Hz):

 Limite inférieure de la tension de
 fonctionnement M4

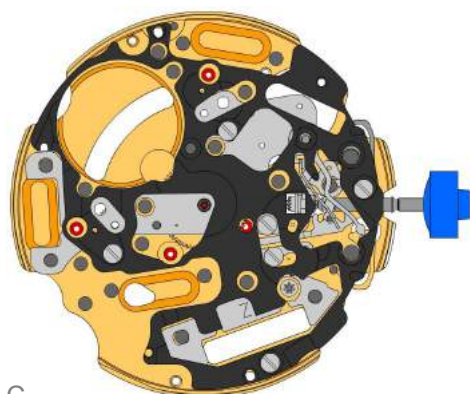
1.20 V






A




B




C


2000.574.G 1.		Main plate
3305.290.CO 2.		Cannon pinion with driver (Aig.2, closed)
3301.243 3.		Hour wheel (counter 24h)


2030.017.CO 4.		Centre bridge Center bridge held by 1 screw 4000.250. Parts 2030.017.CO, 3004.223 and 3500.059 must be exchanged together.
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4000.250 5.		Screw
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3001.055.FI 6.		Sliding pinion
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3000.177.CO 7.		Setting stem
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3017.049 8.		Setting lever
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3905.049 9.		Setting lever jumper (3 positions) Setting lever jumper held by 1 screw 4000.250.
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4000.250 10.		Screw
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3015.081 11.		Yoke (3 positions) Parts 3015.081 and 3905.067 must be exchanged together.
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3905.067 12.		Yoke spring Tensioning the spring arm. Parts 3015.081 and 3905.067 must be exchanged together.
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3406.030 13.		Pusher jumper B Put the grey jumper between the two posts on the further side.
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3406.038 14.		Pusher jumper A Put the yellow jumper between the two posts on the closer side.
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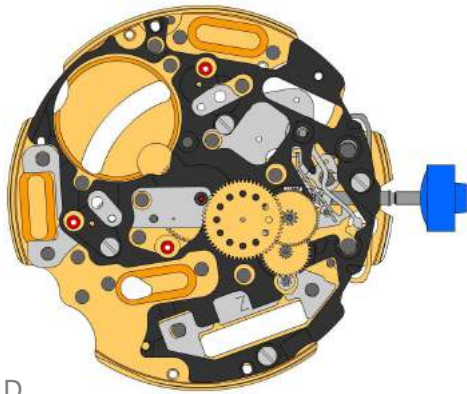
3622.040 15.		Stator Mark [Z] on stator.
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3622.039 16.		Stator (counter 6h, 9h, chrono)
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3603.079 17.		Plastic bracket Plastic bracket held by 4 screws 4000.250.
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4000.250 18.		Screw
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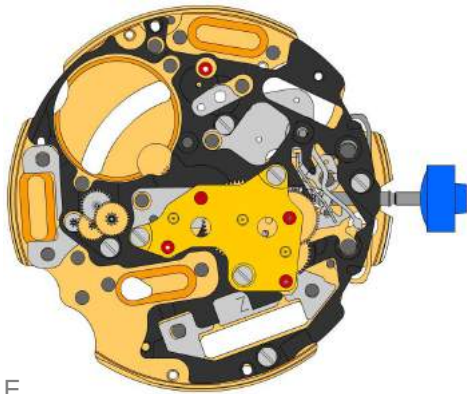
3715.094.RK 19.		Rotor
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D

3147.046.CO
20.  Intermediate wheel

3136.142.CO
21.  Second wheel (long)

3122.056.CO
22.  Third wheel


E

2020.148.G
23.  Train wheel bridge
Train wheel bridge held by 3 screws 4000.250.

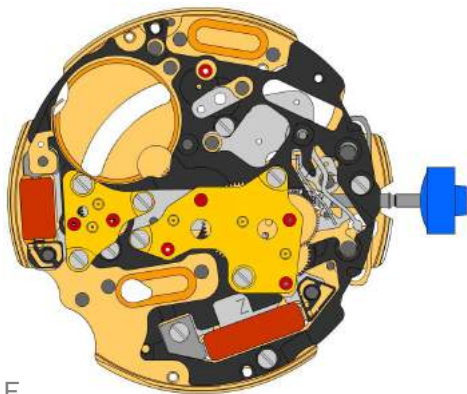
4000.250
24.  Screw


3715.095.RK
25.  Rotor

3147.048.CO
26.  Intermediate wheel (counter)


3007.055.CO
27.  Minute wheel (counter 24h)


3402.007.CO
28.  Minute counting wheel (24h)


F

2020.149.G
29.  Counter train wheel bridge
Counter train wheel bridge held by 3 screws 4000.250.

4000.250
30.  Screw

3621.053.RK
31.  Coil
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

3621.054.RK
32.  Coil (counter 9h, chrono)
Attention: Please hold the coil only on the grey coil core.

4000.250
33.  Screw

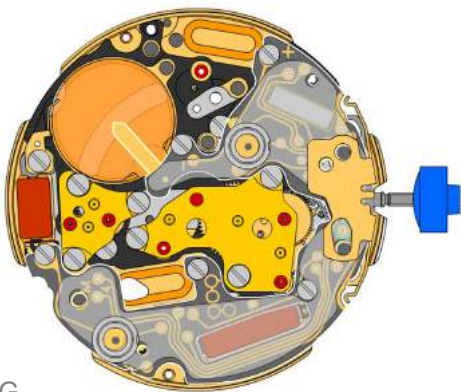
3601.118
34.  Contact strip
Contact strip held by 1 screw 4000.250.







4000.250
35.  Screw

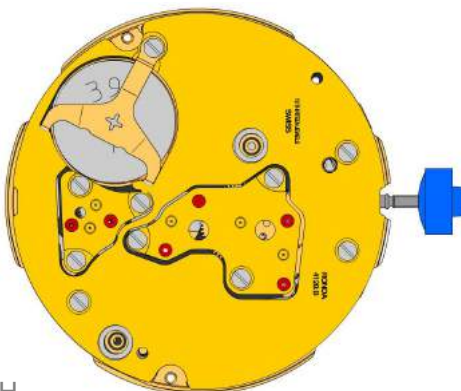
3603.034
36.  Battery insulator





3503.054
37.  Tube

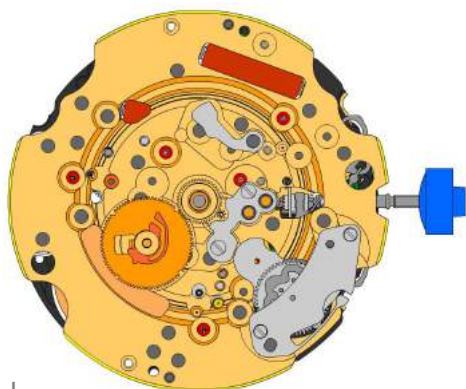
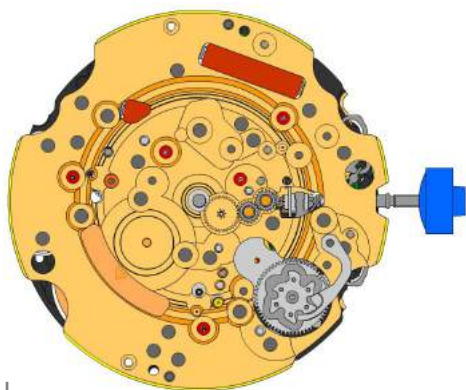
3503.054
38.  Tube
















G

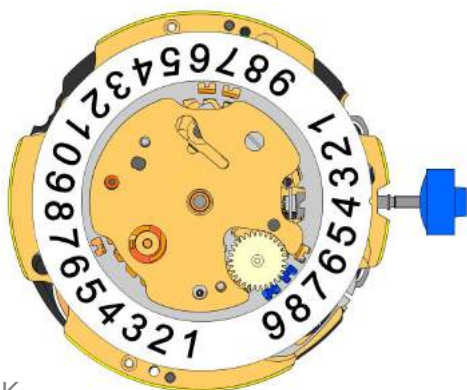
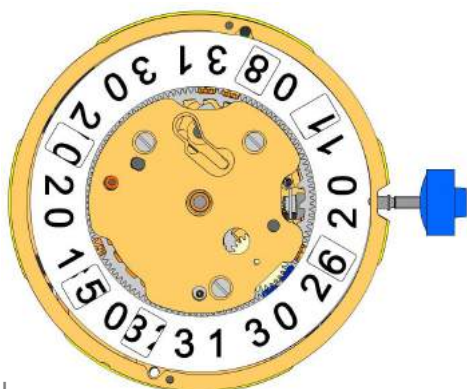
3612.176.4120 39.		Electronic module Electronic module held by 5 screws 4000.248. Electronic measurements may be realised now.
4000.248 40.		Screw
3603.069 41.		Circuit insulator
3603.070 42.		Contact insulator
3603.070 43.		Contact insulator
3601.107.G 44.		Pusher contact spring






H





2130.160.G.M01.4120B 45.		Electronic module cover Electronic module held by 5 screws 4000.250.
3600.010.HGF 46.		Battery 395
3601.109.G 47.		Bridle + Bridle held by 1 screw 4000. 250.
4000.250 48.		Screw







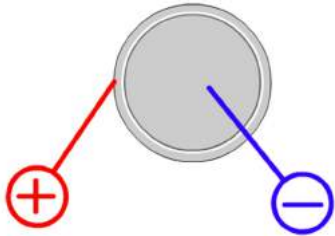
2000.574.G 49.		Main plate
3004.164 50.		Setting wheel
3004.164 51.		Setting wheel
3007.054.CO 52.		Minute wheel
2130.143 53.		Minute train bridge Minute train bridge held by 2 screws 4000.305.
4000.305 54.		Screw
3004.223 55.		Tens indicator driving wheel Parts 2030.017.CO, 3004.223 and 3500.059 must be exchanged together. The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.059 56.		Tens jumper Parts 2030.017.CO, 3004.223 and 3500.059 must be exchanged together.
2130.142 57.		Tens jumper maintaining plate Tens jumper maintaining plate held by 2 screws 4000.306. Tensioning the spring arm.
4010.306 58.		Screw
3301.242 59.		Hour wheel (Aig.2)
3315.016 60.		Friction spring
3004.224.CO 61.		Date indicator driving wheel
3500.049 62.		Date jumper


K

L

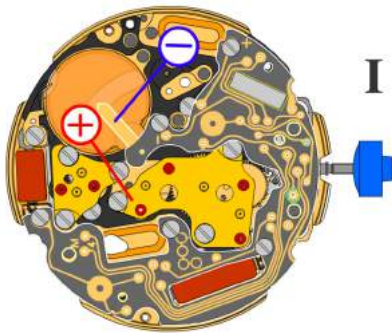
3504.214.AD.1.A 63.		Units indicator (standard) Nick of the indicator at 3 o'clock.
3147.054 64.		Tens intermediate wheel
2130.141 65.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw 4000.250.
3905.070 66.		Date jumper spring Insert the date jumper spring in the provided opening.

3504.215.AD.1.A 67.		Tens indicator (standard) Nick of the indicator at 3 o'clock.
2130.140.G 68.		Date mechanism maintaining plate Date mechanism maintaining plate held by 2 screws 4000.250.
4000.250 69.		Screw
3506.072.G 70.		Dial support

8200 71.		Moebius 8200
9014 72.		Moebius 9014
124 73.		Jismaa 124
9020 74.		Moebius 9020

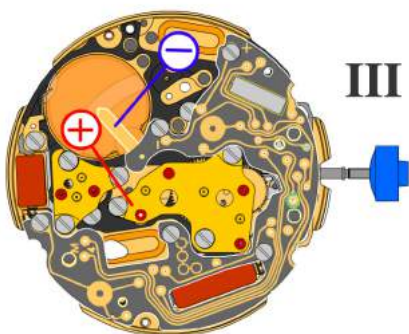


Battery	395
Voltage	1.55 V



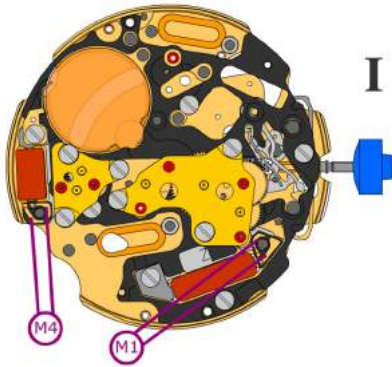
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*

Typical consumption	1.42 μA
Maximal consumption	1.65 μA
Rate	-10s/M. .. +20s/M.
Lower working voltage limit	1.20 V



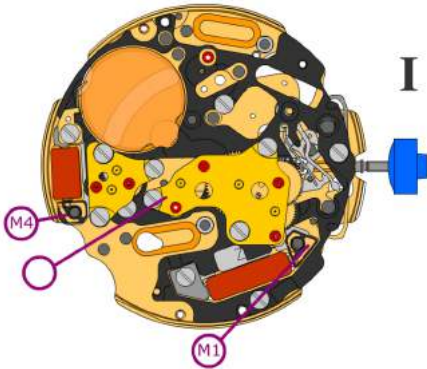
Setting stem in position III, 60 s measuring interval:

Typical consumption	0.10 μA
Maximal consumption	0.30 μA

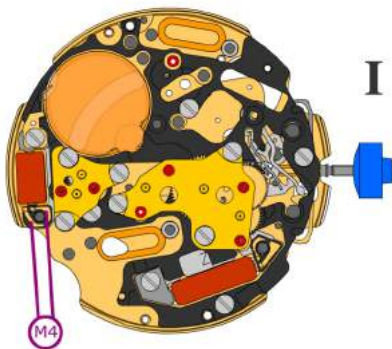


Coil resistance M1 **1.90 kΩ .. 2.10 kΩ**

Coil resistance M4 **1.68 kΩ .. 1.88 kΩ**

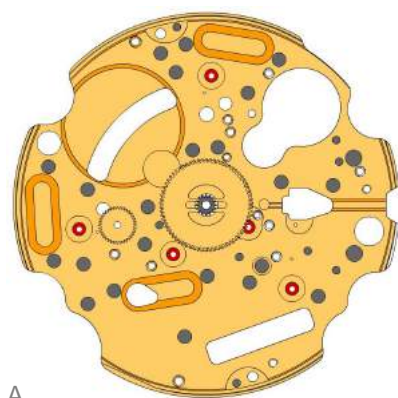


Coil isolation M1/M4 **∞ kΩ**

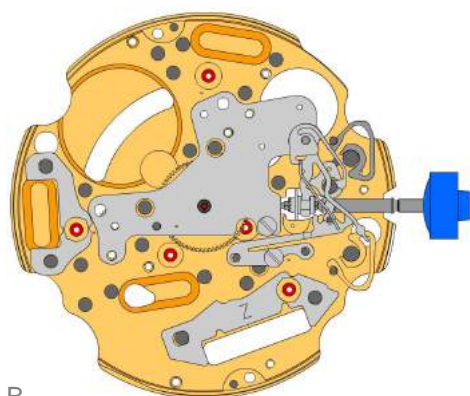


Signal generator (4.9 ms, 8 Hz):

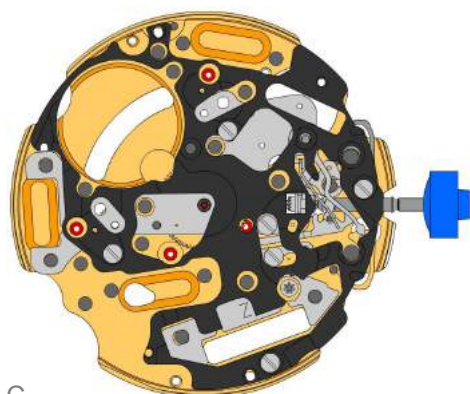
Lower working voltage limit M4 **1.20 V**






A




B



C

2000.574.G 1.		Werkplatte
3305.290.CO 2.		Minutenrohr mit Mitnehmer (Aig.2, geschlossen)
3301.243 3.		Stundenrad (Zähler 24h)

2030.017.CO 4.		Zentrumbrücke Zentrumbrücke gehalten durch 1 Schraube 4000.250. Die Teile 2030.017.CO, 3004.223 und 3500.059 sind zusammen auszutauschen.
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4000.250 5.		Schraube
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3001.055.FI 6.		Kupplungstrieb
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3000.177.CO 7.		Stellwelle
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3017.049 8.		Winkelhebel
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3905.049 9.		Winkelhebelraste (3 Positionen) Winkelhebelraste gehalten durch 1 Schraube 4000.250.
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4000.250 10.		Schraube
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3015.081 11.		Wippe (3 Positionen) Die Teile 3015.081 und 3905.067 sind zusammen auszutauschen.
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3905.067 12.		Wippenfeder Den Federarm spannen. Die Teile 3015.081 und 3905.067 sind zusammen auszutauschen.
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3406.030 13.		Drückerraste B Graue Drückerraste zwischen den beiden Säulen auf der entfernteren Seite platzieren.
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3406.038 14.		Drückerraste A Gelbe Drückerraste zwischen den beiden Säulen auf der näheren Seite platzieren.
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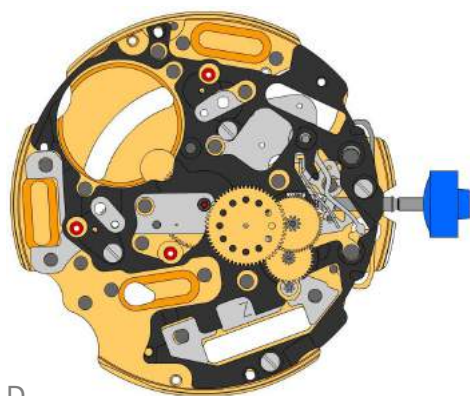
3622.040 15.		Stator Markierung [Z] auf Stator.
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3622.039 16.		Stator (Zähler 6h, 9h, Chrono)
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3603.079 17.		Kunststoffhalterung Kunststoffhalterung gehalten durch 4 Schrauben 4000.250.
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4000.250 18.		Schraube
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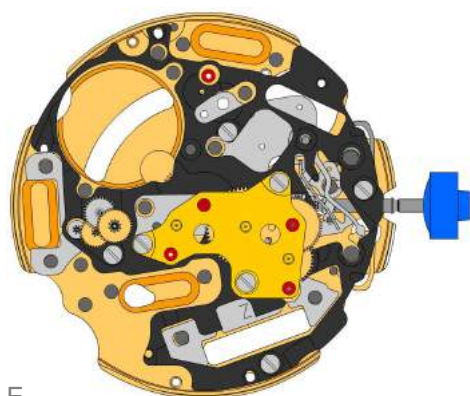
3715.094.RK 19.		Rotor
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3147.046.CO
20.  Zwischenrad

3136.142.CO
21.  Sekundenrad (lang)

3122.056.CO
22.  Kleinbodenrad




2020.148.G
23.  Räderwerkbrücke
Räderwerkbrücke gehalten durch 3 Schrauben 4000.250.

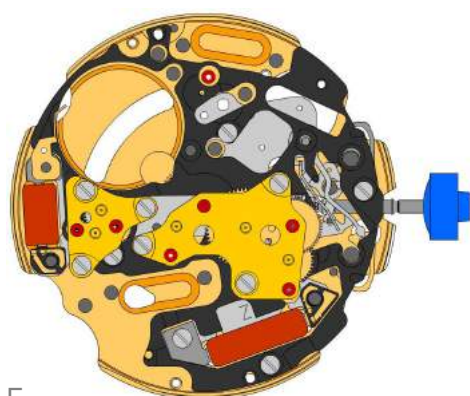
4000.250
24.  Schraube

3715.095.RK
25.  Rotor

3147.048.CO
26.  Zwischenrad (Zähler)


3007.055.CO
27.  Wechselrad (Zähler 24h)


3402.007.CO
28.  Minutenzählrad (24h)



2020.149.G
29.  Zähler-Räderwerkbrücke
Zähler-Räderwerkbrücke gehalten durch 3 Schrauben 4000.250.

4000.250
30.  Schraube

3621.053.RK
31.  Spule
Achtung: Spule nur am grauen Spulenkern halten. Spule gehalten durch 1 Schraube 4000.250.

3621.054.RK
32.  Spule (Zähler 9h, Chrono)
Achtung: Spule nur am grauen Spulenkern halten.

4000.250
33.  Schraube

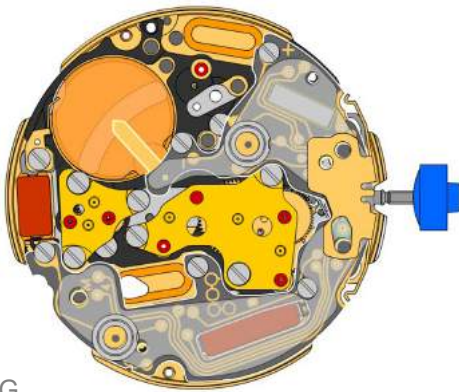
3601.118
34.  Kontaktbügel
Kontaktbügel gehalten durch 1 Schraube 4000.250.

4000.250
35.  Schraube

3603.034
36.  Isolation für Batterie

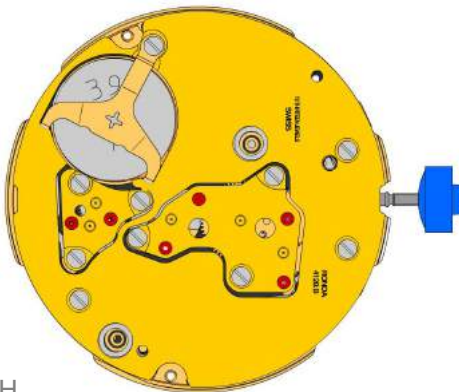
3503.054
37.  Lagerrohr

3503.054
38.  Lagerrohr







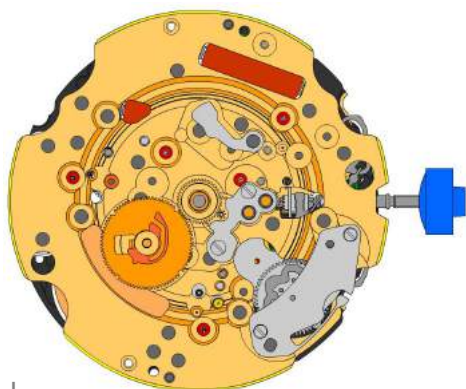
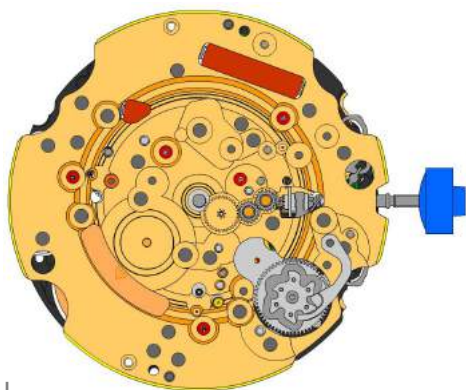
G















3612.176.4120 39.		Elektronikmodul Elektronikmodul gehalten durch 5 Schrauben 4000.248. Elektronische Messungen können nun vorgenommen werden.
4000.248 40.		Schraube
3603.069 41.		Isolation für Schaltung
3603.070 42.		Isolation für Kontakt
3603.070 43.		Isolation für Kontakt
3601.107.G 44.		Drückerkontaktfeder

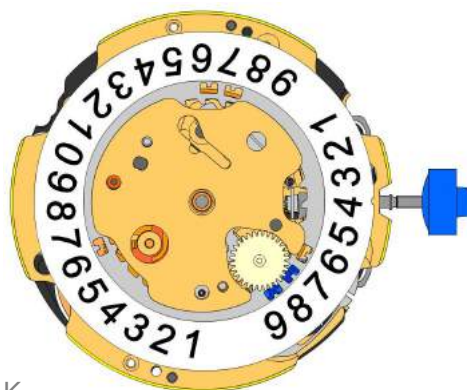


H

2130.160.G.M01.4120B 45.		Deckplatte für Elektronikmodul Deckplatte für Elektronikmodul gehalten durch 3 Schrauben 4000.250.
3600.010.HGF 46.		Batterie 395
3601.109.G 47.		Bügel + Bügel gehalten durch 1 Schraube 4000.250.
4000.250 48.		Schraube

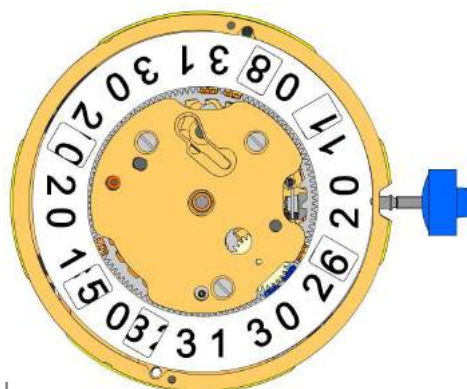


2000.574.G 49.		Werkplatte
3004.164 50.		Zeigerstellrad
3004.164 51.		Zeigerstellrad
3007.054.CO 52.		Wechselrad
2130.143 53.		Wechselradbrücke Wechselrad gehalten durch 2 Schrauben 4000.305.
4000.305 54.		Schraube
3004.223 55.		Zehnermitnehmerrad Die Teile 2030.017.CO, 3004.223 und 3500.059 sind zusammen auszutauschen. Kurzer Zahn des Zehnermitnehmerrades in Richtung Werkszentrum positionieren.
3500.059 56.		Zehneraste Die Teile 2030.017.CO, 3004.223 und 3500.059 sind zusammen auszutauschen.
2130.142 57.		Halteplatte für Zehneraste Halteplatte für Zehneraste gehalten durch 2 Schrauben 4000.306. Den Federarm spannen.
4010.306 58.		Schraube
3301.242 59.		Stundenrad (Aig.2)
3315.016 60.		Frikionsfeder
3004.224.CO 61.		Datumanzeiger-Mitnehmerrad
3500.049 62.		Datumraste











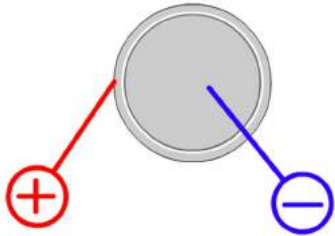
K

3504.214.AD.1.A 63.		Einer Anzeiger (Standard) Einbuchtung im Disc bei 3 Uhr.
3147.054 64.		Zehnerzwischenrad
2130.141 65.		Halteplatte für Datumanzeige Halteplatte für Datumanzeige gehalten durch 1 Schraube 4000.250.
3905.070 66.		Feder für Datumraste Feder für Datumsraste in die Öffnung einfügen.

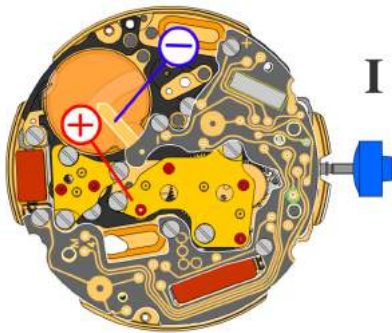


L

3504.215.AD.1.A 67.		Zehner Anzeiger (Standard) Einbuchtung im Disc bei 3 Uhr.
2130.140.G 68.		Halteplatte für Datum-Mechanismus Halteplatte für Datum-Mechanismus gehalten durch 2 Schrauben 4000.250.
4000.250 69.		Schraube
3506.072.G 70.		Träger für Zifferblatt
8200 71.		Moebius 8200
9014 72.		Moebius 9014
124 73.		Jismaa 124
9020 74.		Moebius 9020

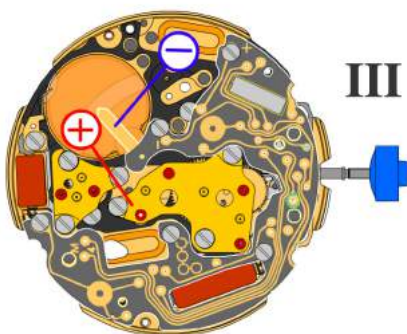


Batterie	395
Spannung	1.55 V



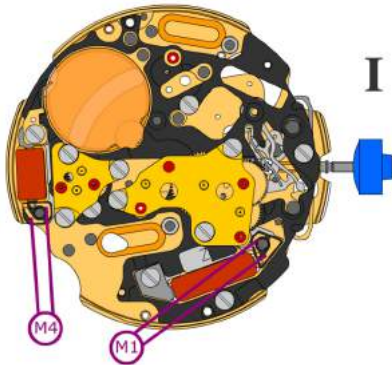
*Stellwelle in Position I, Kalender nicht im Eingriff,
60 s Messintervall für Gang und Verbrauch:*

Typischer Verbrauch	1.42 μA
Maximaler Verbrauch	1.65 μA
Gang	-10s/M. .. +20s/M.
Untere Funktionsspannungsgrenze	1.20 V



Stellwelle in Position III, 60 s Messintervall:

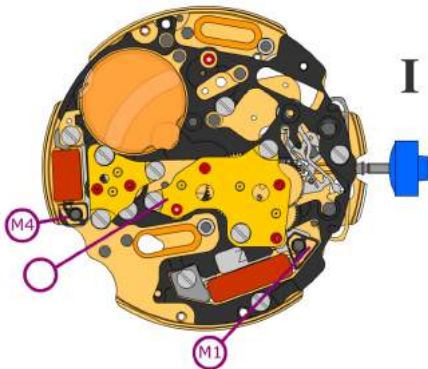
Typischer Verbrauch	0.10 μA
Maximaler Verbrauch	0.30 μA



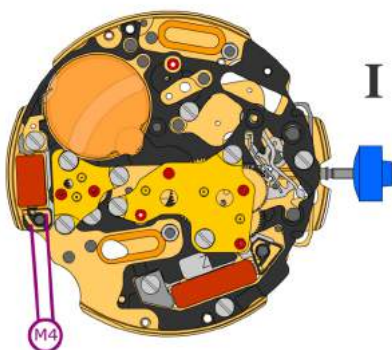
Spulenwiderstand M1

1.90 k Ω .. 2.10 k Ω

Spulenwiderstand M4

1.68 k Ω .. 1.88 k Ω


Spulenisolation M1/M4

 ∞ k Ω

Pulsgenerator (4.9 ms, 8 Hz):

Untere Funktionsspannungsgrenze M4

1.20 V