



MSA	Voltage	Size	Kg
<b>19.349</b>	100 - 240 V 50-60 Hz	135 x 289 x 225 mm	8.340

Watch winder for 2 watches.

Noiseless, reliable and modern design with large transparent windows.

Winding function : clockwise and anti-clockwise, automatic (bi-directional).

4 timer modes (TPD=Turns Per Day) :

A : 650 TPD, 13 cycles, 50 turns per cycle, then rest.

Each cycle takes 110 minutes.

B : 900 TPD, 18 cycles, 50 turns per cycle, then rest.

Each cycle takes 80 minutes.

C : 1200 TPD, 24 cycles, 50 turns per cycle, then rest.

Each cycle takes 60 minutes.

D : 1500 TPD, 30 cycles, 50 turns per cycle, then rest.

Each cycle takes 48 minutes.

*Operates via a 100 - 240 V network adapter, delivered with the device.*



MSA	Voltage	Size	Kg
<b>19.363</b>	100 - 240 V 50-60 Hz	141 x 192 x 243 mm	1.175

Watch winder for 2 watches.

Noiseless, reliable and modern design with large transparent windows.

Winding function : clockwise and anti-clockwise, automatic (bi-directional).

4 timer modes :

A : 650 TPD, rotates 7 min. (50 rotations), rest 104 min., then new cycle.

B : 900 TPD, rotates 7 min. (50 rotations), rest 73 min., then new cycle.

C : 1200 TPD, rotates 7 min. (50 rotations), rest 53 min., then new cycle.

D : 1500 TPD, rotates 7 min. (50 rotations), rest 41 min., then new cycle.

cycle.

*Operates via a 100 - 240 V network adapter, delivered with the device.*



MSA	Voltage	Size	Kg
<b>19.360</b>	100 - 240 V 50-60 Hz	151 x 151 x 171 mm	0.450

Watch winder for 1 watch.

Noiseless, reliable and modern design with a large transparent window and lighting spread by LED.

Winding function : clockwise and anti-clockwise, automatic (bi-directional).

4 timer modes (TPD=Turns Per Day) :

A : 650 TPD, rotates 5 min., rest 79 min., then new cycle.

B : 900 TPD, rotates 5 min., rest 56 min., then new cycle.

C : 1200 TPD, rotates 5 min., rest 41 min., then new cycle.

D : 1500 TPD, rotates 5 min., rest 32 min., then new cycle.

3 buttons on the back of the device :

- TPD (selection of the number of turns per day)

- LED (device lighting)

- Switching on and selecting the direction of rotation.

*Operates via a 100 - 240 V network adapter, delivered with the device.*



MSA	Apparatus	Voltage	Kg
19.205	REGLOMAT Final-Test	220 V	2.780
19.205-110	REGLOMAT Final-Test	110 V	2.780
19.305 (1)	CYCLOTEST Automatic-Test	220 V	2.905
19.305-110	CYCLOTEST Automatic-Test	110 V	2.905

Watch winder for 18 watches with :  
- 3 arms with clips for 9 watches without bracelets  
- 3 arms with foam for 9 watches with bracelets.

The REGLOMAT apparatus (1 rpm) tests the following : slow winding, power on wrist, shock tests, calendar and detects hidden defects.

The CYCLOTEST apparatus (4 rpm) tests the following : accelerated winding, wheel (and pinion) speed, and power reserve.

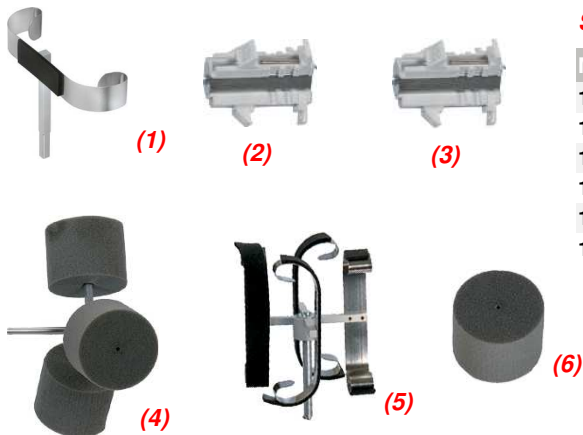


MSA	Apparatus	Voltage	Kg
19.206 (1)	REGLOMAT Final-Test	220 V	2.780
19.206-110	REGLOMAT Final-Test	110 V	2.780
19.306	CYCLOTEST Automatic-Test	220 V	2.905
19.306-110	CYCLOTEST Automatic-Test	110 V	2.905

Watch Winder for 20 watches with :  
- 2 arms with clips for 6 watches without bracelets  
- 2 arms with foams for 6 watches with bracelets  
- 2 arms with springs for 8 watches with bracelets.

The REGLOMAT apparatus (1 rpm) tests the following : slow winding, power on wrist, shock tests, calendar and detects hidden defects.

The CYCLOTEST apparatus (4 rpm) tests the following : accelerated winding, winding speed and power reserve.



Spare parts for MSA19.205, MSA19.206, MSA19.305 and MSA19.306 :

MSA	Item	Kg
19.201-A	Arm with spring for 1 watch with bracelet	0.015
19.201-B	Arm with clips for 2 watches without bracelets	0.052
19.205-A	Arm with clips for 3 watches without bracelets	0.056
19.205-B	Arm with foams for 3 watches with bracelets	0.064
19.205-C	Arm with springs for 4 watches with bracelet	0.100
19.205-E	Foam without arm	0.001



(1)

MSA	Version	Voltage	Size	Kg
19.450	(1) Without arms	100 - 240 V	465 x 325 x 520 mm	10.500
19.451	With 6 arms MSA19.450-B	100 - 240 V	635 x 325 x 585 mm	11.000
19.454	PRO without arms, with protection cover	100 - 240 V	635 x 325 x 585 mm	16.000

CYCLOMOTION watch winder for automatic watch winding and for work testing.

Noiseless motor equipped with a clutch system suitable for heavy and big watches. It is controlled by soft touch keys on the front plate.

Maximum capacity : 24 watches (6 arms for 4 wrist watches each).

Rotation speeds : 1 or 4 rpm.

#### Spare parts :

MSA	Item
19.450-A	(1) Arm for 2 watches with bracelet
19.450-B	(2) Arm for 4 watches with bracelet
19.450-C	(3) Arm for 2 watches with bracelet
19.450-D	(4) Arm for 4 watches with bracelet
19.450-E	(5) Arm for 4 watches without bracelet
19.450-F	(6) Wall mounting kit
19.453	(7) Box for 4 watches without bracelet



(1)



(2)



(3)



(4)



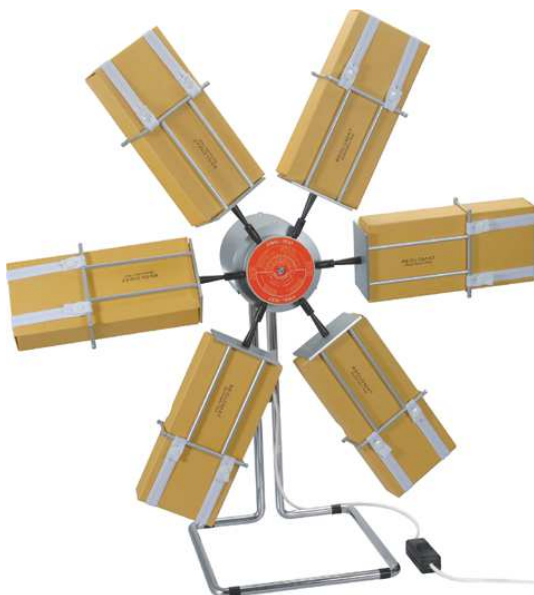
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(6)



(7)



MSA	Voltage	Kg
19.320	220 V	8.000

Watch winder for 60 watches with :

- 6 arms with 6 boxes for 10 watches without bracelets or 10 movements.  
The CYCLOTEST tests the following : winding acceleration, winding speed and power reserve.

Rotation speed : 4 rpm.

#### Spare parts :

MSA	Item
19.320-B	Button for closing the rubber MSA19.320-E
19.320-C	Box for 10 watches or movements
19.320-E	Rubber for holding the box MSA19.320-C
19.320-EB	Rubber with 2 buttons for holding the box MSA19.320-C



(a) Delivered without support for watches with bracelet

MSA	Voltage	Size	Kg
19.372	230 V	55 x 40 x 45 cm	13.000

CLINAX, small capacity 45° pendulum rotary movement machine.  
For winding automatic watches in small series.

Capacity : up to 60 watch heads (or movements) and/or 16 watches with bracelets (depending on the type of assembly).

**Accessory :**

MSA	Item
19.372-A	(a) Support for watches with bracelet



MSA	Voltage	Size	Kg
19.371	230 V	110 x 48 x 49 cm	63.000

STANDARD III, medium capacity 45° pendulum rotary movement machine.  
It is used for industrial winding of automatic watches, as well as for shock tests on watch heads.

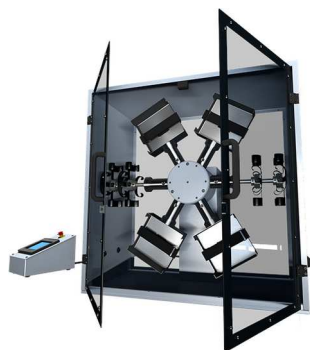
Capacity : up to 250 watch heads (or movements).



MSA	Voltage	Size	Kg
19.376	230 V	150 x 53 x 50 cm	98.000

SUPER E, high capacity 45° pendulum rotary movement machine.  
It is used for industrial winding of automatic watches, as well as for shock tests on watch heads.

Capacity : up to 500 watch heads (or movements).



MSA	Voltage	Size	Kg
19.370	230 V	56 x 60 x 33 cm	37.000
19.370-110	110 V	56 x 60 x 33 cm	37.000

DUOTEST 48, medium capacity rotary combination machine.  
This machine is specially designed for small quantities and is very suitable for after-sales service and shops.

It is used for winding automatic watches and for rate tests.

Capacity : up to 48 watch heads (or movements) or 48 watches with bracelets (depending on the type of assembly).



MSA	Voltage	Size	Kg
19.399	230 V / 50 Hz	110 x 110 x 50 cm	128.000
19.399-110	(a) 110 V / 50 Hz	110 x 110 x 50 cm	128.000

DUOTEST 4, high capacity rotary combination machine.

It is used for winding automatic watches and for rate tests.

Capacity : up to 300 watch heads (or movements) or 120 watches with bracelets (depending on the type of assembly).

(a) Requires a 110 V transformer





MSA	Size	Kg
<b>19.373-F</b>	312 x 128 x 23 mm	0.100

Blue plastic container.



MSA	Size	Kg
<b>19.374-F</b>	312 x 128 x 18 mm	0.100

Transparent cover for plastic containers.



(1)



(2)



(3)



(4)

MSA	Shape	Cases	Cases Size	Notch	Kg
<b>19.373-A</b>	Rectangular	8	70 x 50 mm	Without	0.100
<b>19.373-B</b> (1)	Television	5	66 x 53 mm	2	0.100
<b>19.373-C</b> (2)	Television	10	51 x 50.5 mm	1	0.100
<b>19.373-E</b> (3)	TV + Bracelet	5+1	51 x 50.5 mm	1	0.100
<b>19.374-A</b>	Round	10	Ø 50 mm	1	0.100
<b>19.374-B</b>	Round	10	Ø 40 mm	1	0.100
<b>19.374-C</b> (4)	Round	10	Ø 45 mm	1	0.100
<b>19.374-D</b>	Round	10	Ø 48 mm	1	0.100
<b>19.374-E</b>	Watch + Bracelet	2	-	Without	0.100

Blue plastic container with cut foams in different shapes.  
To be used with apparatus MSA19.370, 19.371, 19.372, 19.376 and 19.399.  
For watches with or without bracelets and movements.  
*Delivered without cover (see MSA19.374-F).*



MSA	Size	Kg
<b>19.373-D</b>	330 x 165 x 40 mm	0.100

Blue plastic container with cut foam and transparent cover.  
Cases shape : television 62 x 55 mm with 2 notches.

*To be used with apparatus MSA19.370, 19.371, 19.372, 19.376 and 19.399 (according to tray holder).*



MSA	Size
<b>19.373</b>	240 x 110 x 20 mm

Green plastic container (10 compartments) and transparent lid with protection foams.

*To be used with apparatus MSA19.370, 19.371, 19.372, 19.376 and 19.399 (according to tray holder).*