



MSA	Voltage	Size	Kg
19.349	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
19.363	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
19.360	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.

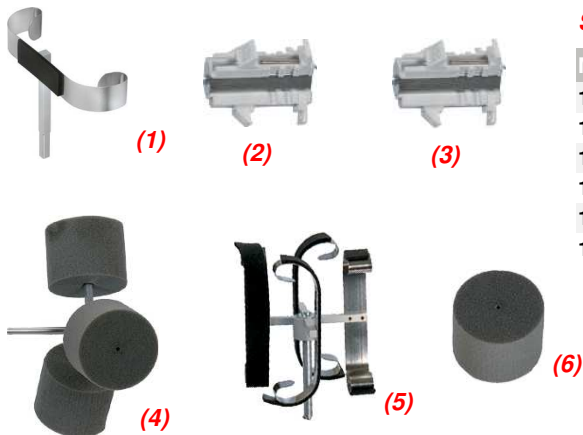


MSA	Apparatus	Voltage	Kg
19.206 (1)	REGLOMAT Final-Test	220 V	2.780
19.206-110	REGLOMAT Final-Test	110 V	2.780
19.306	CYCLOTEST Automatic-Test	220 V	2.905
19.306-110	CYCLOTEST Automatic-Test	110 V	2.905

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 :

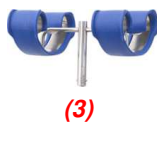
MSA	Item
19.450-A	(1) Arm for 2 watches with bracelet
19.450-B	(2) Arm for 4 watches with bracelet
19.450-C	(3) Arm for 2 watches with bracelet
19.450-D	(4) Arm for 4 watches with bracelet
19.450-E	(5) Arm for 4 watches without bracelet
19.450-F	(6) Wall mounting kit
19.453	(7) Box for 4 watches without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



(1)



(2)



(3)



(4)



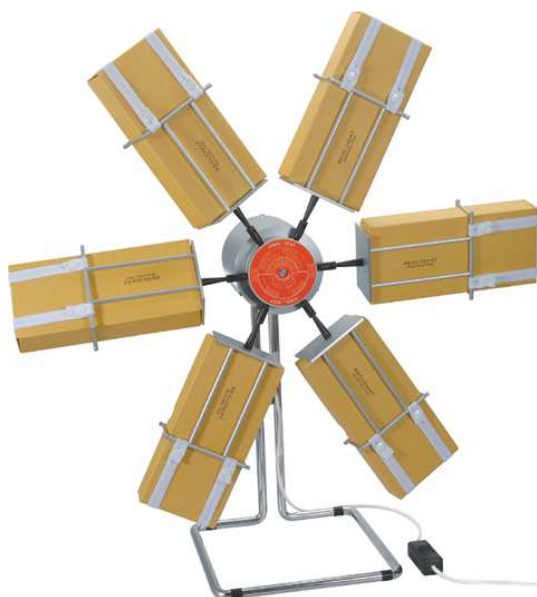
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(6)



(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.

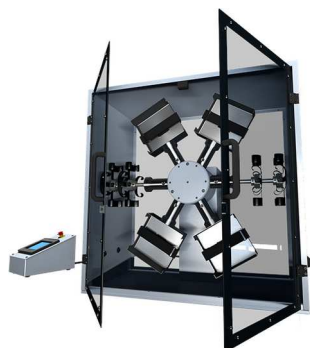
Capacity : up to 250 watch heads (or movements).



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
19.373-F	312 x 128 x 23 mm	0.100

Blue plastic container.



MSA	Size	Kg
19.374-F	312 x 128 x 18 mm	0.100

Transparent cover for plastic containers.



(1)



(2)



(3)



(4)

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