



MA35 Series



MA100 Series



MA150 Series

- Version with metal panels to meet FDA/HACCP regulations
- Equipped with two powerful metal tubular-shaped heating elements (providing 360 Watts of power)
- Rugged double level system
- 1-mg resolution and 35g weighing capacity
- Optimized for use in high temperature ranges
- Concise display
- Icon-driven user interface
- Elimination of program selection menu
- Reduction of seldom-used programming options
- Fully automatic mode; sample is dried until weight is constant
- Time-controlled; 0.1-99 minutes
- Manual shutoff by user
- Printout generated by an external printer

Additional Features, MA100 & MA150

- Choice of either ceramic (C) infrared or halogen (H) heating element. MA100 has the choice of ceramic (C), Quartz (Q) or Halogen (H) heating. The MA150 is available with Ceramic or Quartz heating elements.
- Motorized heating element slides over sample to ensure stable initial weight reading
- In addition to time and automatic mode, for optimal results, the "asap" mode will automatically determine the best drying swift parameter mode
- MA50 has five program memories, MA150 has 20 program memories, and the MA100 has 30 program memories
- Backlit display ensures optimal readability under any lighting conditions
- ISO/GLP compliant printout capable with optional integrated printer
- Reptest (MA-100 only)
- Homogenous sample heating with a choice of ceramic radiator or CQR quartz heating element (both infrared) (MA150)

STANDARD FEATURES

- External calibration
- Additional Features, All IR Moisture Analyzers**
- All units can show results in % moisture, % total solids, and remaining dry residue in weight
 - Units will yield results in 5-15 minutes with automatic mode (depending on sample make-up size)

Additional Features, MA35

- Field-proven, manual flip-up cover
- Opens wide for excellent access
- Easy to clean
- Standard version with glass panels

SPECIFICATIONS

CAPACITY:

MA35: 35g
MA100: 100g
MA150: 150g

READABILITY:

MA150: 1 mg (0.01%)
MA35, MA100: 0.1 mg (0.001%)

REPEATABILITY:

MA35, MA150: ≥ 1 g for samples $\pm 0.2\%$
 ≤ 5 g for samples ± 0.05 g
MA100: ≥ 1 g for samples 0.1%
 ≥ 5 g for samples $\pm 0.02\%$

DISPLAY MODE FOR RESULTS:

MA35: % moisture, % dry weight (solids), % RATIO, g residue
MA100: % moisture, % dry weight (solids), % RATIO, g residue, g/kg residue, mg weight loss, calculated value (measured value x factor)
MA150: % moisture, % dry weight (solids), % RATIO, g residue

HEATING MODE:

MA35: Standard drying
MA100: Standard drying, quick drying, gentle drying, phase drying
MA150: Standard drying, phase drying

ANALYSIS MODE

Fully automatic: MA100, MA150
Semi-automatic: MA100, MA150-1-50mg/5-300 sec., 0.1-5.0%/5-300 sec.
Timer settings: MA35, MA150-1x0.1-99 min.
MA100-3+0.1-999 min
Timer mode + fully/semi-automatic: MA100-2+0.1-999 min.+automatic

HEATING UNIT:

Ceramic IR heating element (infrared): MA100, MA150
Halogen lamp (infrared): MA100, MA150
CQR heater (coiled quartz radiator): MA100, MA150
Metal tubular-shaped heating element (infrared dark radiator): MA35

TEMPERATURE RANGE:

MA35 Series: (340°C to 160°C)
MA100 Series: (30°C to 200°C)
MA150: (40°C-220°C)

CALIBRATION:

MA35, MA150: External
MA100: Internal

CALIBRATION WEIGHT:

MA150 Series: 30g
MA100 Series: 50g

REPEST:

MA100

PAN SIZE:

$\varnothing 3.5$ in (90mm) diameter

BAR CODE SCANNER:

MA100

WEIGHT:

MA150: 12.1 lb
MA35: 12.8 lb
MA100: 17.6 lb.

DIMENSIONS:

MA35: 8.7x7.1x7.4
MA100: 13.8x17.8x6.1
MA150: 8.4x12.6x7.1

INTERFACE:

MA35, MA150: RS-232C unidirectional
MA100: RS-232C bidirect;
RS-485 optional

DATA PRINTER:

Integratable (optional retrofitable): MA100
External (optional): MA35, MA100, MA150

WARRANTY:

Three-year limited warranty

PART #	SARTORIUS MODEL #	DESCRIPTION	EST. SHIP WEIGHT
MA35 Series			
93429.....	MA35M-000115V1	35 g x 0.001 g	
93430.....	MA35M-000115V2	35 g x 0.001 g, with metal panels	
MA100 Series			
70544.....	MA100C-000115V1	100g x 0.0001 g (0.001% moisture)	26lb
70545.....	MA100H-000115V1	100g x 0.0001 g (0.001% moisture)	26lb
MA150 Series			
103129.....	MA-150C-000115V1	150g x 0.001 g (0.01% moisture)	
103130.....	MA-150C-000115V2	150g x 0.001 g (0.01% moisture) with metal panels for FDA	

OPTIONS/ACCESSORIES

46529.....	YFS01	Foot switch with T-connector for remote control of print, tare, cal, F, CFR or toggle key (set up in menu)	
70490.....	YHS02.....	Hand switch with T-connector for remote control of print, tare, cal, F, CFR or toggle key (set up in menu)	
31084.....	6906940.....	Filters, glass fiber, box of 80	
98063.....	YMPO1MA	Disposable sample pans 50 units, aluminum, round, 90 mm	
36907.....	YDP03-OCE.....	Data printer, external	
31106.....	6906918.....	Replacement ribbon for data printer (PN 36907)	
31103.....	690693.....	Paper rolls for data printer, 5 rolls, 50 m each	
93390.....	YTMO1MA.....	Temperature adjustment set.....	
98064.....	YSL02MA	Standard operating procedure (SOP)	
MA100 Series only			
98062.....	YDS03MA.....	Panel replacement sets, aluminum panels for replacing glass panels to meet FDA/HACCF regulations (conversion kit)	
98065.....	YDB03MA	Carrying case.....	
98066.....	YMW02MA	Windows® 2000/NT/XP-compatible software for data collection and for programming dry programs include interface cable, 9/28-pin	
70548.....	YTM03MA	Temperature adjustment kit.....	
70547.....	YDP01MA.....	Printer, integrated into unit (requires installation)	
70487.....	YRD02Z.....	Remote display, reflective (fits RS-232), 3 ft	
32637.....	LD2	Locking device, anti-theft	
70549.....	YWP11MA.....	Dishes 3.9in, box of 50.....	
12964.....		External calibration weight	
12946.....		External calibration weight.....	
MA35 Series only			
12962.....		External calibration weight (-30 g ±0.3 mg).....	
31084.....	6906940.....	Filters, glass fiber, box of 80.....	
70549.....	YWPO1MA	Aluminum dishes 3.9in, box of 50.....	

C&M SCALE
 CALL FOR A QUOTE!
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