

# METRASTAT 905

AUTOMATIC  
HEAT STABILITY  
TESTING OVEN



[www.metrastat.com](http://www.metrastat.com)



## TECHNICAL SPECIFICATIONS OF THE METRASTAT 905

- Dynamic oven for the gradual exposure of polymers to heat (DIN 5381F, AFNOR T51-224)
  - Resistant to corrosion from hydrogen halides or tropical climate conditions (316L stainless steel construction)
  - Travelling carrying frame with nine separate non corrodible and non adhesive sample holding trays
  - Microprocessor driven temperature controlling unit with  $\pm 0.1^{\circ}\text{C}$  feedback temperature display
  - Built-in safety temperature limit with automatic shut-off
  - Automatic preheating time and unlimited choice of test durations
  - Energy saving by automatic shut off at the end of a test
  - Automatic switch-over from the static preheating process to the dynamic baking process
  - Permanent display of the test temperature and of the samples' travel progression in the oven
  - Early manual start of the baking process possible
  - Memory storage of the last used - Preheating Time/Test Duration - combination
  - Automatic radio driven Heat Loss Compensation (HLC) throughout the oven
  - Emergency button for immediate interruption of the test and quick release of the carrying frame
  - Automatic quick release of the carrying frame when restarting the apparatus after a power failure
  - Exhaust hood with incorporated HCl absorption system
  - Modular construction easy maintenance of the apparatus
- Optional accessories:
- Special carrying frame for holding five one inch wide sample carrying trays for reflectometer scanning
  - Spare sample carrying trays, either for sheet and profile or for pastes, powders and pellets

Power supply:	185-245VAC/48-62Hz
Maximum power uptake:	2400W
Heating elements:	3 x (4 x 200W)
Temperature range:	50 - 300°C $\pm 1\%$
Average heat-up time:	RT to 300°C in 10 min
Number and size of samples:	9 x (260 x 13 x 6mm), or 5 x (260 x 25 x 6mm)
Preheating time:	Automatic
Test duration:	Unlimited choice from 1min to 90days
Dimensions (WxHxD):	450x550x790mm

The manufacturer retains the right to modify the technical specifications above, anytime and without prior notice.

**The Metrastat 905 is a high performance, fully automatic testing oven, making it possible, like its predecessors, to gradually expose polymer samples to heat at constant temperature and for different lengths of time. For PVC, PVDF, PE, PP, etc.**

 **SWISS  
MADE**



**Manufactured by experts  
in polymer stability:**

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