

LABOTRON TRF08

RADIO FREQUENCY OVEN

The Labotron TRF 08 is a laboratory equipment using RF heating. It achieves very precise power outputs, and allows the operator to understand the evolution of the dielectric characteristics of the heated product.



The system displays a large set of parameters and measures: product temperature (by optical fiber), electrode height, RF voltage, RF field, etc., as well as recording all the parameters during the process.

MAIN APPLICATIONS

FOOD APPLICATIONS

- Thawing
- Drying
- Cooking
- Disinfestation
- ...

INDUSTRIAL APPLICATIONS

- Polymerization
- Pre-heating before pressing or heating of thermoplastics

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KEY BENEFITS

DESIGN

- Compact footprint

TECHNOLOGY

- SAIREM's 50 Ohm technology allows the exact measurement and display of power transferred between generator and product
- Automatic impedance tuning
- Hot air injection with adjustable flow and temperature (60 °C max)
- Precise positioning of the electrode via an electric actuator
- Can operate either in continuous flow or in batch mode



CONTROLS

- User-friendly interface
- Centralized control from a touch-screen HMI

50 Ω VS SELF-OSCILLATOR RF TECHNOLOGY

Parameter	50 Ω	Self-oscillator
Frequency stability	Excellent	Average
Power stability	Excellent	Average
Power control	Accurate	Impossible
Multi-applicators (with one generator)	Yes	No

To get the complete data sheet :

- full specifications
- technical drawings

CONTACT US !

