

# Drying oven FM-DO-A101



## Description :

Drying oven FM-DO-A101 is a floor standing type oven with 70 L chamber capacity. Superior temperature uniformity controlled by PID microprocessor. It provides fast ramping rate and stability during operation. It comes with ambient temperature + 10°C to 300°C temperature range and platinum gold resistor PT100 temperature sensor. Equipped with stainless steel chamber, outer shell of steel with plastic coating and three layer toughened glass observation window. It is suitable for industrial and mining enterprises, laboratories and scientific research institutes for desiccation, torrefaction, wax-melting and sterilization.

## Specifications :

|                           |  |
|---------------------------|--|
| Chamber volume            | 70 L   |
| Method                    | The aplomb forces convection   |
| Temperature range         | Ambient temperature + 10 to 300°C                                    |
| Temperature accuracy      | ±1 at 100°C  |
| Temperature fluctuation   | ± 1°C  |
| Temperature uniformity    | ± 1 at 100°C   |
| Temperature controller    | (The PID microprocessor controls, touch type, numeral manifestation) |
| Temperature sensor        | PT100 (Platinum gold resistor PT100)                                 |
| Timer                     | Wait on time, wait off time (Maximum: 99 h, Minimum: 1 min)          |
| Environmental condition   | Temperature 5 to 30°C  |
| Maximum relative humidity | Maximum relative humidity 80%  |

|   |                      |
|---|----------------------|
| Altitude                                | up to 2000 m         |
| Internal material                       | 304 stainless steels |
| External material                       | 08F (Iron 08F)       |
| Number of shelves<br>(Standard/Maximum) | 2/4                  |
| Shelf dimension                         | 393 mm × 375 mm      |
| Power                                   | 940 W                |
| Power supply                            | AC 250 V, 50 Hz      |
| Internal dimension                      | 400 × 400 × 450 mm   |
| External dimension                      | 550 × 550 × 800 mm   |
| Net weight                              | 50 kg                |

## Features :

- Floor standing type
- Microprocessor PID control system
- Vertical force convection and bottom heating
- Exhaust fan for temperature uniformity in chamber
- Corrosion resistance stainless steel chamber
- Platinum gold resistor PT100 temperature sensor
- Steel outer shell with static plastic spraying
- Three layer toughened glass observation window
- Adjustable stainless steel shelves
- Self-diagnostic dynamic control technology
- Temperature controller with sensor malfunction and low/ high temperature deviation alarm

## Applications:

Used for glassware desiccation, laboratorial sample, food, chemical materials heat denaturalization, heat induration, moisture elimination, biomedical and other instruments sterilization; electronic components torrefaction and aging.

## Accessories Optional:

| Accessories no. | Accessories name       | Unit |
|-----------------|------------------------|------|
| 1               | Motor                  | 1    |
| 2               | Sealing ring           | 1    |
| 3               | Temperature controller | 1    |
| 4               | Plastic handle         | 1    |
| 5               | Stainless steel handle | 1    |



**Email :** [info@fison.com](mailto:info@fison.com) | **Website :** [www.fison.com](http://www.fison.com)