



HOME MAINTENANCE

- 12** · Washing Machine Trainer
- 13** · Washing Machine Trainer with Student Examination S/W
- 14** · Domestic Refrigerator Trainer
- 15** · Domestic Refrigerator Trainer with Student Examination S/W
- 16** · Microwave Trainer
- 17** · Microwave Trainer with Student Examination S/W



INTRODUCTION

This educational trainer is specifically designed to train students on the maintenance and fixing of washing machine devices. The unit introduces students to the most common faults in such appliances.

FEATURES

- The trainer has four sections: the top, the right side, the left side and the back to check the suspension system, door key, motor, electronic control unit, detergent section and the drum.
- The washing machine is in service along with a safety system.
- The washing machine is installed on moving gears and cannot be handled away from the educational trainer.
- The fault entry system includes more than 24 common faults which introduces students to fault diagnosis and repair.
- The trainer contains an isolating system which isolates all component out of the circuit to allow students to test them and take all readings accurately.
- Protected measurement points to protect students against shocks/hazards.
- The device has many indication lamps displaying the states of components.
- The device is supplied with a little electronic screen on which the faults are displayed.
- The screen acts as a guide for the instructor to explain the fault related information.
- The screen is operated through a button controlled by the instructor.

ACCESSORIES

MNT 06101	Cover for the equipment	MNT 06106	Oscilloscope
MNT 06102	Touch Screen	MNT 06108	Connection Cable, 4 mm
MNT 06103	Screen Holder fitted on the device	MNT 06111	Oscilloscope Connection Cable, 2 mm
MNT 06104	Screen Holder fitted on the wall	MNT 05101 101	E-Content for Trainer of Washing Machine
MNT 06105	Multi-Meter		

SCOPE OF DELIVERY

- Educational trainer to train students on faults of the washing machine.
- Faults panel to simulate the faults in the washing machine device like the valve of water intake, motor, heater, sensor of water level...etc
- Detailed colored diagram of the operation of the system.
- Digital meter to read the different temperatures.
- Touch screen
- Evaluation program for testing.

Specifications

Electric Supply

1 Phase , 220 Volts / 50 Hertz

Dimensions & Weight

170 Cm x 90 Cm x 90 Cm

200 Kg

SOME SIMULATED FAULTS

- Faults of motor
- Faults of electronic card
- Faults of the sensor of drum pressure
- Fault of temperature sensor
- Faults of heater
- Faults of lock



INTRODUCTION

This educational trainer is specifically designed to train students on the maintenance and fixing of washing machine devices. The unit introduces students to the most common faults in such appliances.

FEATURES

- The trainer has four sections: the top, the right side, the left side and the back to check the suspension system, door key, motor, electronic control unit, detergent section and the drum.
- The washing machine is in service along with a safety system.
- The washing machine is positioned on moving gears and cannot be handled away from the educational trainer. The faults entry system includes more than 24 common faults which introduces students to fault diagnosis and repair.
- The device has a system that isolates the components out of the circuit thus allowing students to take measurements accurately.
- Protected measurement points to protect students against electric shocks/hazards.
- The device has many indication lamps displaying the states of components.
- The device is supplied with a little electronic screen on which the faults are displayed.
- The screen acts as a guide for the instructor to explain the fault related information.
- The Screen is operated through a button controlled by the instructor.
- The device contains a fault and control panel through which the instructor can choose to simulate a certain fault. The device can be controlled and forced to have a fault through the fault panel or the program that is loaded to the touch screen.
- Through the program, the instructor can evaluate the performance of students and test them.
- The device is fitted to a moving chassis for easy mobility

ACCESSORIES

MNT 06101	Cover for the equipment
MNT 06102	Touch Screen
MNT 06103	Screen Holder fitted on the device
MNT 06104	Screen Holder fitted on the wall
MNT 06105	Multi-Meter
MNT 06106	Oscilloscope
MNT 06108	Connection Cable, 4 mm
MNT 06111	Oscilloscope Connection Cable, 2 mm
MNT 05101 101	E-Content for Trainer of Washing Machine

SCOPE OF DELIVERY

- Educational trainer to train students on faults of the washing machine.
- Faults panel to simulate the faults in the washing machine device like the valve of water intake, motor, heater, sensor of water level...etc.
- Detailed colored diagram of the operation of the system.
- Digital meter to read the different temperatures.
- Touch screen
- Evaluation program for testing.

Specifications

Electric Supply

1 Phase , 220 Volts, 50 Hertz

Dimensions & Weight

170 Cm x 90 Cm x 90 Cm

200 Kg

SUPPLIED WITH THE UNIT

Operation Manual in both Arabic and English Language with a full and detailed explanation of the device and how to operate it.



INTRODUCTION

This is an educational trainer that is specifically designed to train students on the maintenance (diagnosis and repair) of the refrigerator. This unit introduces students to the most common faults in such appliances.

FEATURES

- The trainer represents a refrigerator with 2 doors attached and a control unit that includes different faults.
- The device covers most faults of the refrigerator like the compressor, heater,....etc.
- The faults entry system includes more than 10 common faults which introduces students to fault diagnosis and repair.
- The trainer contains an isolating system which isolates all components out of the circuit to allow students to test and take measurements accurately.
- The unit has many indication lamps displaying the states of the components.
- The unit is supplied with a little electronic screen on which the faults are displayed.
- The screen acts as a guide for the instructor to explain the fault related information.
- Screen is operated through a button controlled by the instructor.

ACCESSORIES

MNT 06101	Cover for the equipment	MNT 06105	Multi-Meter
MNT 06102	Touch Screen	MNT 06107	Labels for the Laboratory
MNT 06103	Screen Holder fitted on the device	MNT 06108	Connection Cable, 4 mm
MNT 06104	Screen Holder fitted on the wall	MNT 05101 201	E-Content for Trainer of Washing Machine

SCOPE OF DELIVERY

- Educational trainer to train students on the faults of the no-frost refrigerators.
- Faults panel to simulate the faults in no-frost refrigerators like (temperature sensor of the freezer, motor faults, door key faults, heater sensor, cabin light and cooling fans).
- Detailed colored diagram of the operation of the system.
- Digital meter to read the different temperatures.

SOME SIMULATED FAULTS

- Faults of Temperature sensor of the freezer
- Faults of compressor
- Faults of cabin light
- Faults of no-frost heater
- Faults of the door key
- Faults of cooling fans

Specifications
Electric Supply
1 Phase , 220 Volts / 50 Hertz
Dimensions & Weight
180 Cm x 80 Cm x 150 Cm
150 Kg



INTRODUCTION

This educational trainer is specifically designed to train students on the maintenance and repair of refrigerators. The unit introduces students to the most common faults in such appliances.

FEATURES

- The trainer represents a refrigerator with 2 doors attached with a control unit that includes different faults.
- The device covers most faults of the refrigerator like the compressor, heater,....etc.
- The faults entry system includes more than 10 common faults which introduces students to fault diagnosis and repair.
- The trainer contains an isolating system which isolates all components out of the circuit to allow students to test and take measurements accurately.
- Protected measurement points against electric shocks/hazards.
- The unit has many indication lamps displaying the states of the components.
- The unit is supplied with a little electronic screen on which the faults are displayed.
- The screen acts as a guide for the instructor to explain the fault related information.
- The Screen is operated through a button controlled by the instructor.
- The unit contains a faults and control panel through which the instructor can choose to simulate a certain fault.
- The unit can be controlled and forced to have a fault through the panel or the program that is loaded on the touch screen.
- Through the program, the instructor can evaluate the performance of students and test them using different difficulty levels.
- The unit is fitted to a moving chassis for easy mobility.

SUPPLIED WITH THE UNIT

- Operation Manual in both Arabic and English Language with a full and detailed explanation of the device and how to operate it.

ACCESSORIES

AUT-15102	Cover for the equipment
AUT-15103	Touch Screen
AUT-15104	Screen Holder fitted on the device
AUT-15108	Screen Holder fitted on the wall
AUT-15109	Multi-Meter
AUT-15110	Labels for the Laboratory
AUT-15111	Connection Cable, 4 mm
MNT 05101 201	E-Content for Trainer of Washing Machine

SCOPE OF DELIVERY

- Educational trainer to train students on the faults of the no-frost refrigerators.
- Faults panel to simulate the faults in no-frost refrigerators like (temperature sensor of the freezer, motor faults, door key faults, heater sensor, cabin light and cooling fans).
- Detailed colored diagram of the operation of the system.
- Digital meter to read the different temperatures.
- Touch screen
- Evaluation program to test the students.

SOME SIMULATED FAULTS

- Faults of temperature sensor of the freezer
- Faults of compressor
- Faults of cabin light
- Faults of no-frost heater
- Faults of the door key
- Faults of cooling fans

Specifications
Electric Supply
1 Phase , 220 Volts, 50 Hertz
Dimensions & Weight
180 Cm x 80 Cm x 150 Cm
150 Kg



INTRODUCTION

This educational trainer is specifically designed to train students on the maintenance and fixing of the microwave and introduce them to the most common faults for diagnosis and repair.

FEATURES

- The trainer represents a microwave attached to a control unit that includes different faults.
- The unit covers most faults of the microwave like the door, motor, internal lighting,....etc.
- The unit has transparent sections to display the internal components of the microwave.
- The faults entry system includes more than 10 common faults which introduces students to fault diagnosis and repair.
- The trainer contains an isolating system to isolate all components out of the circuit to test and take measurements accurately.
- Protected measurement points against electric shocks/hazards.
- The unit has many indication lamps displaying the states of the components.
- The unit is supplied with a little electronic screen on which the faults are displayed.
- The screen acts as a guide for the instructor to explain the fault related information.
- The Screen is operated through a button controlled by the instructor

SUPPLIED WITH THE UNIT

Operation Manual in both Arabic and English Language with a full and detailed explanation of the device and how to operate it.

ACCESSORIES

- MNT 06102 Touch Screen
- MNT 06104 Screen Holder fitted on the wall
- MNT 06105 Multi-Meter
- MNT 06107 Labels for the Laboratory
- MNT 06108 Connection Cable, 4 mm
- MNT 05101 301 E-Content for Trainer of Microwave

SCOPE OF DELIVERY

- Educational trainer to train students on the faults of the Microwave.
- Faults panel to simulate the faults in microwaves like the motor, door and control panel...etc.
- Detailed colored diagram of the operation of the system.
- Digital meter to read the different temperatures.
- Touch screen
- Evaluation program to test students.

SOME SIMULATED FAULTS

- Faults of microwave
- Faults of door
- Faults of electronic panel
- Faults of motor
- Faults of internal lighting

Specifications
Electric Supply
1 Phase , 220 Volts, 50 Hertz
Dimensions & Weight
180 Cm x 80 Cm x 150 Cm
100 Kg

INTRODUCTION

This educational trainer is specifically designed to train students on maintenance and repair of microwaves and introduce students to the most common faults.

FEATURES

- The trainer represents a microwave attached with a control unit that includes different faults.
- The unit covers most faults of the microwave like the door, motor, internal lighting,....etc.
- The unit has transparent sections to display the internal components of the microwave.
- The faults entry system includes more than 10 common faults which introduces students to fault diagnosis and repair.
- The trainer contains an isolating system to isolate all components out of the circuit to allow students to test and take measurement accurately.
- Protected measurement points against electric shocks/hazards.
- The unit has many indication lamps displaying the states of the components.
- The unit is supplied with a little electronic screen on which the faults are displayed.
- The screen acts as a guide for the instructor to explain the fault related information.
- The Screen is operated through a button controlled by the instructor.
- The unit contains a faults and control panel through which the instructor can choose to simulate a certain fault.
- The unit can be controlled and forced to have a fault through the faults panel or the program that is loaded to the touch screen.
- Through the program, the instructor can evaluate the students through tests with different difficulty levels.
- The unit is fitted to a moving chassis for easy mobility.

SCOPE OF DELIVERY

- Educational trainer to train students on the faults of the microwave.
- Faults panel to simulate the faults in the microwave like the motor, the door and the control panel..etc
- Detailed colored diagram of the operation of the system.
- Digital meter to read the different temperatures.
- Touch screen
- Evaluation program to test students.

Specifications

Electric Supply

1 Phase , 220 Volts / 50 Hertz

Dimensions & Weight

180 Cm x 80 Cm x 150 Cm

100 Kg

SOME SIMULATED FAULTS

- Faults of microwave
- Faults of door
- Faults of electronic panel
- Faults of motor
- Faults of internal lighting

ACCESSORIES

- MNT 06102 Touch Screen
- MNT 06104 Screen Holder fitted on the wall
- MNT 06105 Multi-Meter
- MNT 06107 Labels for the Laboratory
- MNT 06108 Connection Cable, 4 mm
- MNT 05101 301 E-Content for Trainer of Microwave