

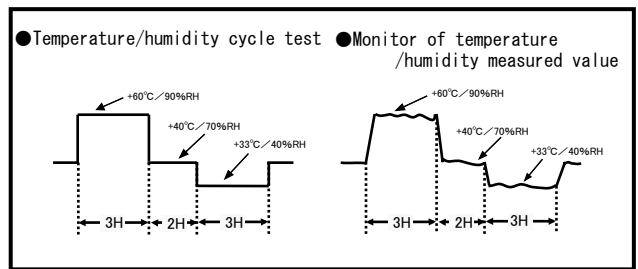
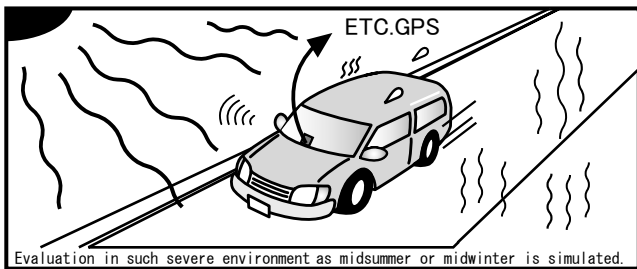
Two models supplied:

- MTH861 for Temperature test
- MTH865 for Temperature and Humidity test

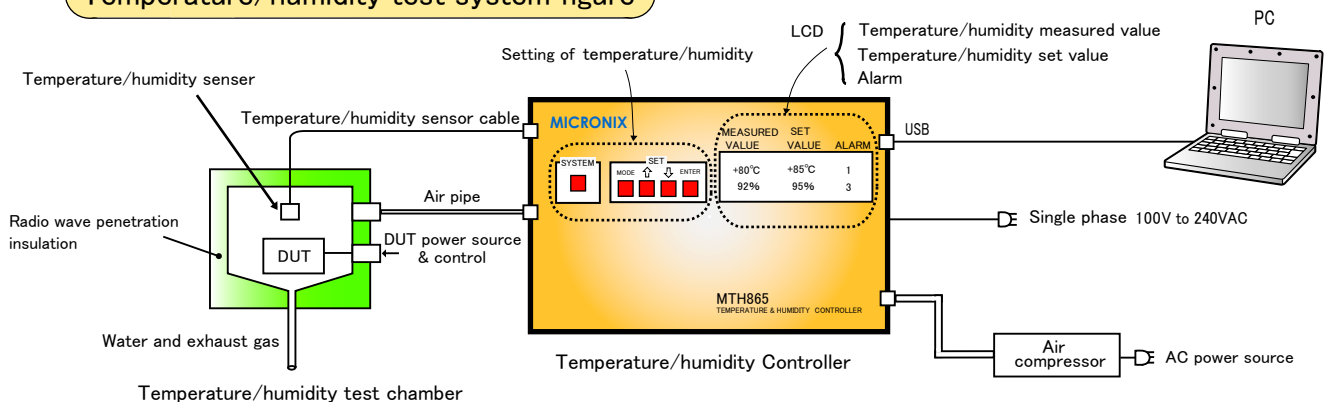


**Features**

- ◆ Temperature range  $-40$  to  $+85^{\circ}\text{C}$ 、Humidity range 40 to 95%RH  
Optimum for the test of electronic parts or devices for automobile, and small communication equipments.
- ◆ Temperature/humidity test chamber is possible to be installed in our shielding box  
The communication test of WirelessLAN, Cellular phone, ETC, GPS and RF-ID tag can be performed under temperature/humidity controlled environment.
- ◆ Temperature/humidity cycle test  
Temperature/humidity cycle test is performed with PC soft through USB interface. ( PC soft : standard accessory )
- ◆ Customized temperature/humidity test chamber is available.



**Temperature/humidity test system figure**



## Specifications

### ■ Temperature control (MTH861/MTH865 in common)

Temperature range	-40 to +85°C
Accuracy	within ± 4.0°C @-40 to -26 within ± 2.5°C @-26 to +85°C
Setting resolution	1°C
Display	Set value and measured value of temperature, and alarm.
Alarm	1) Abnormal temperature 2) Abnormal air pressure

### ■ Humidity control (MTH865 only)

Humidity range	40 to 95%RH @+33 to +60°C 40 to 90%RH @+60 to +75°C 40 to 85%RH @+75 to +85°C
Accuracy	within ± 4%RH @40 to 85%RH within ± 5%RH @86 to 95%RH
Setting resolution	1%RH
Temperature range of humidity control	+33 to +85°C
Display	Set value and measured value of temperature, set value and measured value of humidity and alarm.
Alarm	1) Abnormal temperature 2) Abnormal air pressure 3) Abnormal humidity 4) Abnormal water tank system 5) Abnormal humidity controller

### ■ External control of temperature/humidity

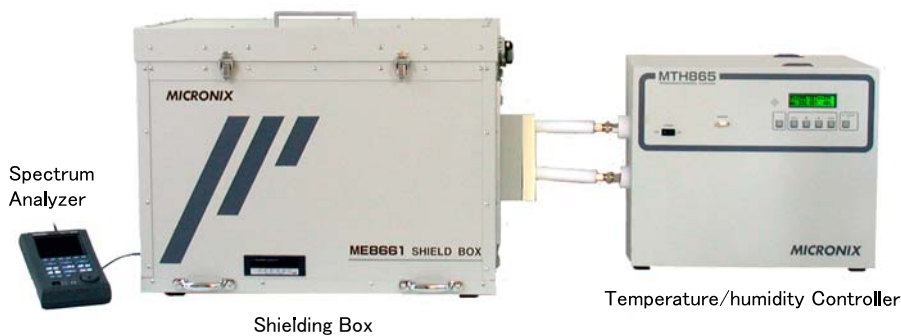
Function	1) Set temperature, humidity and cycle time. 2) Graph temperature and humidity measured value.
Corresponding OS	Windows2000/XP

### ■ Other

DUT calorific value	less than 1W
Power source	Single phase 100 to 240 VAC
Dimensions	MTH861 :Test chamber 180(W) × 150(H) × 150(D)mm @inside :Temperature controller 550(W) × 450(H) × 520(D)mm MTH865 :Test chamber 180(W) × 150(H) × 150(D)mm @inside :Temperature/humidity controller 550(W) × 450(H) × 520(D)mm
Weight	MTH861 :Temperature controller approx. 36kg MTH865 :Temperature/humidity controller approx. 36kg ( Empty water tank )
Air pipe length	within 20cm ※ Although lengthening a pipe is possible, temperature and humidity range becomes narrow.
Air compressor	
Air flow	more than 760NL/min
Air pressure	0.3 to 0.7 MPa

## Application

Our temperature/humidity controlled system is designed such as its temperature/humidity test chamber can be installed in our shielding box. Therefore, the communication test of WirelessLAN, Cellular phone, ETC, GPS and RF-ID tag can be performed under temperature/humidity controlled environment.



※ After modifying our shielding box selected by a user, the temperature/humidity test chamber is installed in it. Our catalogue of shielding box will be sent on request.

**MICRONIX**  
MICRONIX CORPORATION

2987-2, KOBIKI-CHO, HACHIOJI-SHI, TOKYO 193-0934 JAPAN  
TEL.042(637)3667 FAX.042(637)0227  
TEL.+81-42-637-3667 FAX.+81-42-637-0227  
<http://www.micronix-jp.com> E-mail [micronix\\_e@micronix-jp.com](mailto:micronix_e@micronix-jp.com)

AGENCY