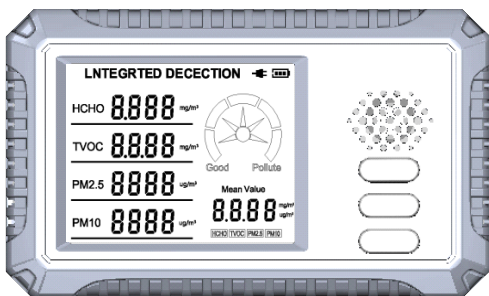


# AIR QUALITY DETECTOR

## HLW-100 Instruction manual

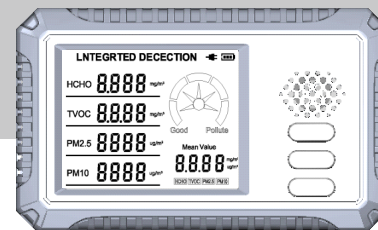


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### Air Quality Monitor

- 1.HCHO (Formaldehyde)
- 2.Tvoc(Volatile Organic Compound)
- 3.PM2.5
- 4.PM10



### 01 INSTRUMENT SYNTHESIS SUMMARY:

HLW-100 air quality detector is a multi-functional intelligent household small-scale air quality monitoring equipment. It is a non-professional testing instrument. The measured data can only be used as a reference for the change of household air environment.

Compliance with Test Range Standard, Compliance with CE Standard and Compliance with ROHS Standard

**Reminder:** This type of tester is a household product. The test data are for reference only and can not be used as any basis data.

### 02 Detectable substances:



### 03 Accessories list:

host 1/ USB line 1/ instruction warranty card 1 Certificate

### 04 BASIC PARAMETERS OF THE INSTRUMENT:

Application Technology : Air Natural Flow Product Model : HLW-100

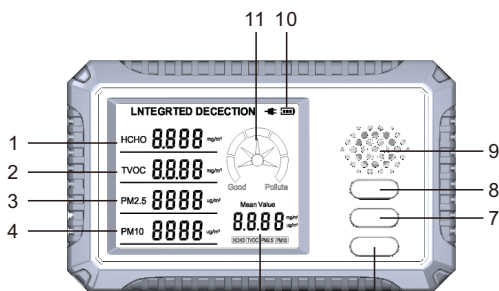
Display Mode: LCD Color Screen Digital Display Error Floatin: 3%-30%

Product Specification : 120mm × 72mm × 34mm Working Voltage: 5V

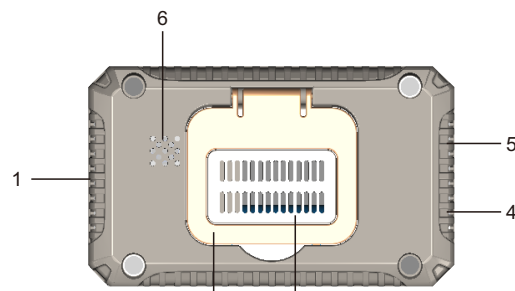
Boot Preheating: 120S (only formaldehyde TVOC sensor) Battery Capacity: 2000m A

Chaging Time : About 4h Standby Time: About 240-360 min

### 05 BUTTON DETAILS AND INSTRUCTIONS:



1. HCHO detection
2. TVOC detection
3. PM2.5 detection
4. Pm10 detection
5. Detecting average
6. Press and hold for 3 seconds to turn it on or off
7. Conversion view average record  
Long press 3 seconds to clear the data
8. Press and hold for 3 seconds to calibrate the sensor HCHO/TVOC
9. Smog, dust, particulate matter PM2.5/PM10 sampling port
10. Power display
11. Real-time environmental assessment report



1. Gas sampling port
2. Instrument placement bracket
3. Gas sampling port
4. USB charging indicator charging port
5. Gas sampling port
6. Smog, dust, particulate matter PM2.5/PM10 sampling port

### 06 Instrument key operation method:

	CALIBRATION Long press 3 seconds sensor calibration to restore factory settings "Users need to operate cautiously" (limited to formaldehyde TVOC sensor calibration)
	SWITCH Conversion View Average Value Tips (30) Minute Update
	ON-OFF Switch Chief Press 3 seconds to turn on or off Tips: (120 seconds preheating is required for the formaldehyde TVOC sensor after booting) 0001-0120 preheating timing

**SPECIAL TIPS:** Formaldehyde TVOC needs good air ventilation for about 30 minutes before the instrument can be used normally. PM2.5 PM10 can be detected immediately after starting.

### 07 COMMON KNOWLEDGE OF INSTRUMENT OPERATION AND PRECAUTIONS:

1. Check whether the instrument is in good condition before use.

2. After startup, the instrumentation data can be stable before it can be tested and used.
3. Formaldehyde TVOC detection needs 120 seconds pre-heating and timing after booting. PM2.5 PM10 real-time detection data.
4. Indoor testing needs to close doors and windows, formaldehyde TVOC testing time takes about 60 minutes, cabinets, drawers and other small space about 3-15 minutes.
5. For long-term monitoring, the real-time data is unstable. Please refer to the average value of the monitor data.
6. Do not place the detector in the environment of high concentration of dust and high concentration of polluted gas for a long time.
7. Pay attention to fire/waterproof/dust/fall/sun-proof/moisture-proof/mildew-proof and prevent severe shaking.
8. Children with electronic instruments or mental retardation should not move.
9. For long-term use, please place it in a safe area and store it properly, away from inflammable and explosive products.

### 08 REFEREN TABLE FOR AIR QUALITY POLLUTION GRADE:

	0-0.1	0.101-0.2	0.201-0.5	0.501-1.0	1.001-1.999
HCHO	Good	Mild	Moderate	Severe	Serious
TVOC	0-0.6	0.601-1.5	1.501-3	3.001-6	6.001-12
	Good	Mild	Moderate	Severe	Serious
PM2.5	36-75	76-100	101-150	151-250	251-1000
	Good	Mild	Moderate	Severe	Serious
Pm10	51-100	101-130	131-200	201-300	301-2000
	Good	Mild	Moderate	Severe	Serious
Environmental	(2)GOOD	(3)POIUUTE	(4)POIUUTE	(5)POIUUTE	(6)POIUUTE
	Good	Mild	Moderate	Severe	Serious



If there are any mistakes or omissions in the above printed contents, the final interpretation right belongs to the manufacturer of the product. Thank you for your cooperation and support.