

# shenzhen lingfan electronic commerce co.,LTD

## Multimeter Inspection Standard (LFUBEM0137EFBANS)

### 1. Purpose

To confirm shenzhen lingfan electronic commerce co.,LTD procurement of multimeter inspection standards for the distinction between good products and defective products, to provide a reliable basis to ensure that the finished product quality multimeter.

### 2. Area of Application

Applicable to shenzhen lingfan electronic commerce co.,LTD all the multimeter inspection and judgment.

### 3. Test methods and receiving standards.

3.1 Sample reception level: Under normal circumstances, the use of MIL-STD-105E sampling standards, a one-time random sampling, G = II, the number of defects for the number of defective items, AQL level: Critical (CR) = 0, Major (MAJ) = 1.0, Minor (MIN) = 2.5.

3.2 Checking order: packaging inspection → appearance / fit check → basic function check → performance parameter test → reliability test.

3.3 Notice: 3 times the small defect of (MIN) is equal to 1 main (MAJ), comprehensive sampling rate of non-performing => 2%, then the whole bunch of products are sentenced to be returned to suppliers.

### 4. Four definitions

#### 4.1 Shortcomings Definition

4.1.1 Serious Defect (CRITICAL) - defects in personal injury or the existence of security risks, or conflicts with laws and regulations.

4.1.2 Important shortcomings (MAJOR) - The product is not functioning properly, can not achieve the effect of use, or seriously affect the appearance of receipt criteria, and other defects may cause complaints;

4.1.3 Minor Disadvantages (MINOR) - Minor defects in production, but do not affect the use of the function, without replacement parts can be processed to repair the use of defects.

#### 4.2 Appearance of the surface level distinction definition

4.2.1 Primary Surface (A): display area.

### 5. Test Standards

Category	No.	Item	Acceptance Criteria	Test Method	CRITICAL	MAJOR	MINOR
Package	1	Confirmation of Products	Material does not match,, not allowed	Visual		√	
	2	Package confirmation	Inside / outside the box,(color, size, size, etc.) does not match, not allowed	Visual/ Manual		√	
	3	Damage / Corrosion / Moisture	tiny damage, did not affect the product transport, storage and other protective functions for the MIN, otherwise MAJ	Visual		√	√
	4	Printing Effect	Cover of the box, box printing content, all kinds of labels are not clear, easy to identify, brand logo error, not allowed	Visual			√
			Outside the box, box printing and content does not match, not allowed	Visual		√	

	5	Stickers	All kinds of labels, sealing adhesive attached to the wrong place, not allowed	Visual		√	√	
	6	Packing confirmation	Packing / packing materials are consistent with the sample, acceptable	Visual		√		
<b>Surface</b>	1	Silk screen, stickers, logo and other identification	Wrong, less words, more words, serious even draw, ghosting, flying oil, less oil, not allowed	Visual		√		
	2	Scratched	A side: sense of scratch larger than 0.05, the length is longer than 3MM;	Visual			√	
			B side: scratch width less than 0.1MM, length less than 3MM;					
			C surface: excluding					
			Exposed substrate, not allowed	Visual		√		
	3	Point (color point, bump, pits, stains, impurity points)	A side (display black spots, bright with the same): the same side to allow two points, the diameter of not more than 0.15MM, two-point spacing > 10MM;	Visual				√
			B side: the same side to allow 2, the diameter of less than 0.5MM, spacing greater than 10MM;					
			C surface: excluding					
	4	shell	Surface treatment OK, no color difference, acceptable	Visual		√		
	5	Gap / segment difference	Assembly gap difference / gap does not exceed 0.2MM, allowed	Ruler				√
6	Burr	Phi Phi does not scratch, allow	Visual		√			
7	Abnormal sound	Abnormal sound, not allowed	Visual/ Auditory				√	
8	Crack / breakage	Crack on the surface, not allowed	Visual		√			
<b>Funtion</b>	1	Test	Test voltage / current / resistance value consistent with instructions, admissible error is consistent with the instructions, acceptable	Circuit Test		√		
	2	Conduction test	Beeps normal.	Circuit Test		√		
	3	Button / knob	Button sensitive and flexible	Manual		√		
	4	Monitor	LCD display normally, no abnormal phenomena	Visual		√		

	5	Fuse	Double fuses inside multimeter in good condition	Circuit Test	√		
Accessories	1	Accessories	lack of Accessories, not allowed	Visual		√	
	2	Accessories integrity	Accessories consistent with product documents, allowed	Visual		√	
	3	protective case	cover color consistent with the sample, allowed	Visual		√	
	4	Table pen	Multimeter Test Leads (with 2 protective cover), consistent with the sample, allowed	Visual/Ruler		√	
	5	Stent	Stent rotation is normal, can be easy to use, allowed	Visual/Ruler		√	
	6	Battery compartment	Accessory Spring without rust, allowed	Visual		√	
	7	Antenna, wire	Metal antenna, the interface without rust, wire without damage, allowed	Visual		√	
	8	Battery	Whether the battery is packaged well, plastic integrity, the electrode is in good condition	Visual		√	
	9	Manual	LOGO, language type, and SKU corresponding product information consistent, allowed. Printing clear, no damage, no dirt, no missing pages, page number corresponds to the correct, the main function, allowed	Visual		√	