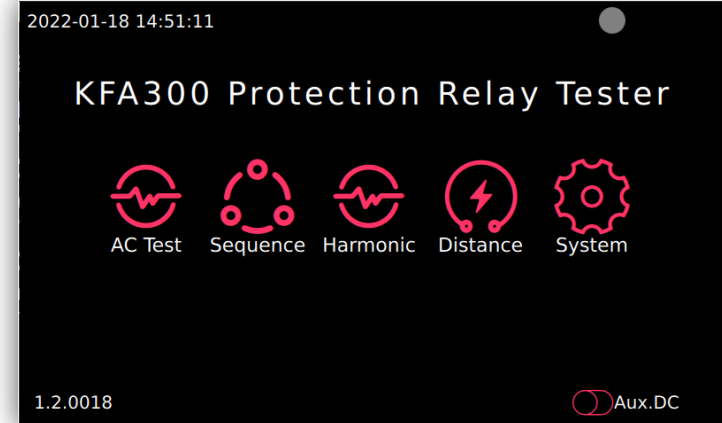


# World's Lightest relay test kit with analog O/Ps

## KFA 300 Intelligent Relay Tester



A 3 Kg versatile solutions for testing of Relays

Current Sources : 3 X 10 A  
Voltage Sources : 3 X 265 V  
Inbuilt Display & Battery



IDEAL FOR TESTING OF 3 PHASE NUMERICAL RELAYS

KEY PARAMETER MONITORING

WWW.KPMTEK.COM

## Technical Specifications

Voltage Outputs		
Output Range & Power	3×265 V ac (L-N)	22.5 VA max each@265V
		21 VA max each@200V
		12.5 VA max each@100V
		7 VA max each@63.5V
		6.65 VA max each@57.7V
		1.1 VA max each@10V
Accuracy	0~1V: ±2mV 1~VMax: ± (0.02%Rd+0.03Rg) Guar	
Resolution	0.001V	
Distortion	<0.05%Typ. / <0.1% Guar.	

Current Outputs		
Output Range & Power	3×10A ac (L-N)	27 VA max each@10A
		25.5 VA max each@9A
		24 VA max@8A
		17 VA max each@5A
		3.88VAmax each@1A

Accuracy	0~0.2A: ±2mA 0.2~IMax: ± (0.02%Rd+0.03Rg) Guar.	
Resolution	0.001A	

Frequency & Phase Angle	
Frequency Range	DC~1KHz
Frequency Accuracy	±5ppm
Frequency Resolution	0.001 Hz
Phase Range	0°~360°
Phase Accuracy	<0.1° Typ. / <0.2° Guar. 50/60Hz
Phase Resolution	0.001°
Aux. DC Voltage Source (Battery simulator)	
Range	24V (0.9A) 、 48V (0.6A) Switchable; 110V or 220V output (/Option) ; Other type can be customized;
Accuracy	5%Rg Guar.
Binary Input	
Quantity	2pairs
Voltage range	dry contact, input voltage DC 0~300V
Fast Binary Output	
Quantity	2pairs
Circuit Breaker Simulate	Can be define as Open or Close status
Contact performance	Open the dry contact output using opto-coupler relay, the on-resistance is ≤6Ω, and the shut-off withstand voltage is ≤DC350V
SOE test function	the time error between the two outputs is ≤0.2ms, and the SOE resolution test can be performed
Communication	
USB2.0	1 USB socket, used for software upgrade



Built-in Internal Battery	
Battery capacity	90WH
Work time	standby working time is not less than 8 hours ;
	5A current output can work for not less than 1 hour;
Charge time	Fast charging, charging time is less than 1 hour

AC/DC Charger	
Input	100~240Vac, 50/60Hz, Max2.5A
Output	33.6Vdc, 5.0A (168W)
Environment	
Operating Temperature	0°C~45°C
Storage Temperature	-5°C~50°C
Humidity	<85%RH, non-condensing
Others	
Grounding Terminal	4mm banana socket
Weight	Approximately 3.5kg
Dimensions(W x D x H)	252x95 x185 (mm)

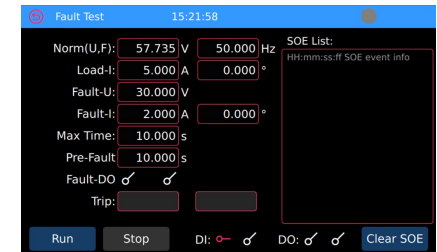
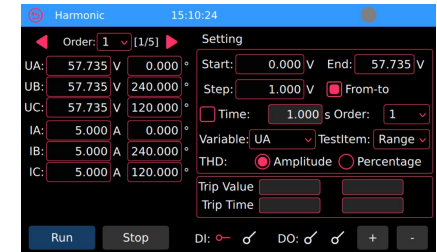
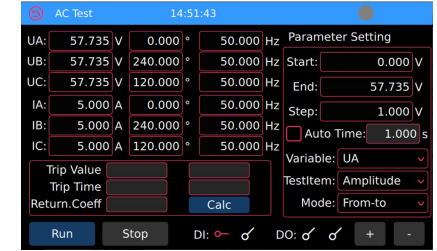
### Software Function

1. Manual/Auto AC test function
2. State Sequencer Test Function
3. Overcurrent Breaker Tester Function
4. Remote (Signal, Measurement, Control) Function
5. Remote Signal Test function



### Product Feature :

- **Device Size** : B5 paper size, aluminum alloy case, Very small and light.
- **Device Weight** : 3kg ,Beautiful and light, easy to carry and use.
- **Operational performance**: high-performance FPGA,32-bit ARM microprocessor 1000MHz, smooth operation, 7.0-inch LED capacitive touch screen, full touch operation, non-reflective contrast, clear display for outdoor
- **Equipment self-protection function**:
  - voltage output short-circuit, current output
  - open-circuit, temperature overheat protection.



### Built-in Internal Battery

8-cell imported lithium battery, standby working time is 8 hours, 5A current output can work continuously for 1 hour; Fast charging, charging time is less than 1 hour.

#### About Us

KPM is a high quality manufacturer & provider of rugged electrical testing equipment for EHV/HV/LV substations. With world class technology collaborations, KPM solutions are known for:

- Best in class specifications
- Unique test approach
- Interference rejection capability

Each equipment is supported by advance service center in Gurgaon backed by a team of expert application & service engineers. KPM aims in bringing highest specification products at the doorstep of Indian customers in best rates.

#### Contact Us

KPM ENGINEERING SOLUTIONS PVT. LTD.  
815 A, 8th Floor, Unitech Arcadia, Sec 49,  
Gurugram – 122018, Haryana  
Website : [www.kpmtek.com](http://www.kpmtek.com) ,  
Email : [sales@kpmtek.com](mailto:sales@kpmtek.com)  
Phone No : +91 124 4001088