

Finger Touch Screen SPD Tester FPT18-I

Finger Touch Color Screen

MOV & GDT Tester

Fully Automatic Shift

Data Storage and checking

Qualified Value Determination

Data Reading through USB

Battery Charger Type



FPT18-I Brief Introduction

FPT18-I series intelligent lightning protection component tester is used to measure the performance parameters of various metal oxide varistors (MOV) and Gas discharge tubes (GDT).

The tester has high-voltage short-circuit protection, over-current protection, high-voltage presetting, range adjustment, self-inspection function, measurement range of spark voltage U_{1mA} : 0~2000V, measurement range of leakage current: 0~ 499.9 μ A, good repeatability.

The instrument adopts finger touch color screen, direct function, one-button measurement, easy and fast operation, with excellent test stability and anti-interference ability. At the same time, the meter is built in a large capacity rechargeable lithium battery, and with data storage, qualified judgment, automatic shutdown, USB data upload and other functions.

FPT18-I Electrical Specification

1. Range and measurement accuracy

Functions	Item	Measuring range	Accuracy of measurement	Resolution
MOV	U_{1mA}	0 ~ 2000 v	$\pm 2\%$ RDG 3 DGT	1 v
	Leakage current	0 ~ 499.9 μ A	$\pm 2\%$ RDG 10 DGT	0.1 μ A
GDT	Breakdown voltage	10 ~ 2000 v	$\pm 2\%$ RDG 3 DGT	1 v

Test conditions: MOV: 1mA + 5 μ A; GDT: 100V/S

2. Other technical parameters

Battery	DC 7.2V 2600mAh rechargeable lithium battery (standby for more than 3 hours continuously)
Measuring way	Dc voltage drop method
Shift	Fully automatic shift
Display mode	Finger touch color screen
The LCD size	108 mm * 65 mm
Size	212 mm * 175 mm * 76 mm
Mass quantity	1200 g
The test line	Red 1 meter, black 1 meter; Two alligator clips and two watch pens
Over voltage protection	Yes
Data Storage	MOV test: 1000groups, GDT test 1000 groups, insulation resistance 1000 groups
Test log viewer	Yes
Overflow shows	The symbol "9999.99" indicates when the over range occurs
Test mode	Single mode: no preset needed, for a few test. Continue mode: preset needed, for a batch test.
Data export	USB interface, test log record data upload computer, can be exported to Excel format.
The battery voltage	Battery power indicator shows that the battery power is pressed down to remind timely charging.
Automatic shutdown	Automatically shut down after 15 minutes no operation
Power consumption	Standby: about 140mA, measurement: about 830mA
accessories	1 piece of main tester; 2 test lines; 2 alligator clips; 2 meter pens; 1 charger; 1 USB communication line; Aluminum box 1 piece