



## FT3000 POWER FILTER CHARACTERISTIC TESTER

FT3000 Power Filter Characteristic Tester has the functions of automatic sweep harmonic signal output, A-F and P-F characteristic measurement/display ect. It is mainly used in AC filter of DC converter

station, DC filter tuning characteristics test and parameter test of R, L and C. It is also used in electrified railway HV filter, passive power filter client and conventional AC substation reactive compensation device.

### Quickly and accurately Test the following parameters

- Amplitude-frequency characteristic and phase-frequency characteristics
- Inductance value of reactor
- Capacitance value of capacitor
- Resistance value of resistor
- Unbalanced current of filter bank H bridge



### Main Functions

- Automatically display the A-F characteristic curve
- Automatically generate the test report in word format
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- Field test accuracy can reach 0.5%
- Measure capacitance without unfasten the capacitor banks

Making your work easy is our work!

### Specifications

#### Signal source technical parameters

Max output voltage	60V RMS
Max output current	5A
Output frequency	5Hz—3000Hz
Frequency control step	0.1 Hz

#### Measurement system technical parameters

<b>Voltage</b>	
Accuracy	0.5%
Frequency	5Hz—3000Hz
Amplitude	0.2V—60V
<b>Current</b>	
Accuracy	0.5%
Frequency	5Hz—3000Hz
Amplitude	0.01 A—10 A
<b>Impedance measurement range</b>	
1Ω—6KΩ	
<b>Impedance measurement accuracy</b>	
0.5%	
<b>Phase measurement accuracy</b>	
1°	
<b>Inductance measurement range</b>	
2mH—10H	
<b>Inductance measurement accuracy</b>	
0.5%	
<b>Capacitance measurement accuracy</b>	
0.5%	
<b>Capacitance measurement range</b>	
0.05uF—500uF	
<b>Unbalance current measurement accuracy</b>	
0.5%	
Frequency output	100Hz—3000Hz
Amplitude output	0.01 mA—10 mA

#### Others

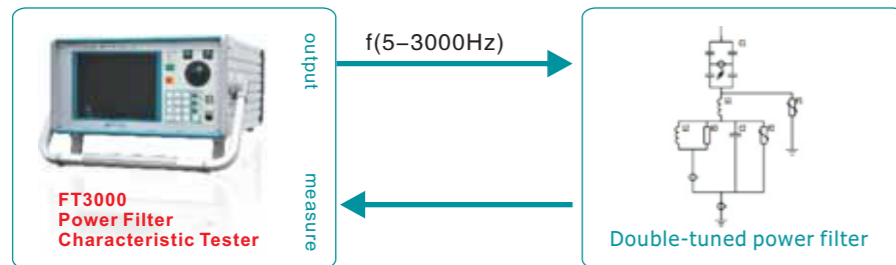
Operation	Off-line operation/External PC operation
communication	USB/100M Ethernet
Self Protection	Overload/Overheat
Report	1000 Reports
LCD	8.4" TFT
Dimension	364 mm×200 mm×475mm (W×H×D)
Weight	11.8kg



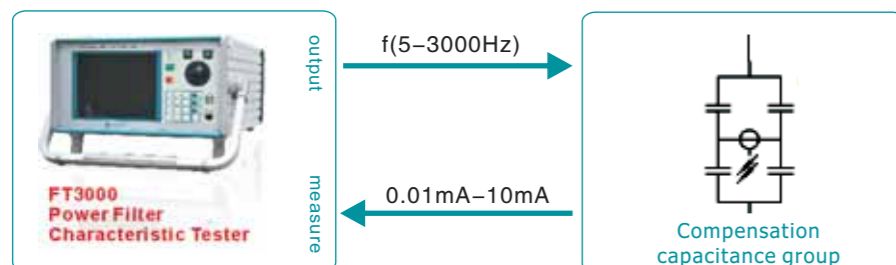
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Impedance frequency, phase frequency, resistance, inductance and capacitance measurement.



Unbalanced current measurement



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