



HB-4B Electrical Ballast Test System(HID)

This product indicates the input and output parameters of the HID lamp electronic ballast. It is equipped with PC software to display the test result and waveform.

Input characteristics test		
Measurement function	Measure the input voltage, current, active power, power factor, frequency, total harmonic distortion of voltage and current, THD, relative and effective value of fractional harmonic, harmonic spectrum, actual waveform of voltage and current.	
Harmonic analysis function	The total harmonic distortion of voltage and current and the effective value and relative value of each harmonic from 0 to 39th are analyzed	
input test characteristics	Voltage	3V~300V
	Current	0.05A~1.00/10.00A
	Active power	5W~3000W
	measurement accuracy	$\pm(0.1\% \text{Reading} + 0.1\% \text{Range} + 1 \text{ digit})$
Output characteristics test		
Output start characteristics	The output starting characteristic of the ballast can be measured, that is, the changing process of lamp voltage, lamp current and lamp power within 0 ~ N seconds (N can be set as 60 ~ 600 seconds) after the low-frequency or high-frequency electronic ballast is started.	
Output steady state characteristic	It can measure the steady-state characteristics of low and high frequency output of HID ballast, including lamp voltage RMS, lamp current RMS, lamp tube oscillation frequency, lamp power, lamp voltage and lamp current peak ratio, lamp voltage and lamp current waveform. The low frequency output can withstand 10kV impulse voltage instantly.	

It is mainly used for the analysis and measurement of the input and output performance of fluorescent lamp electronic rectifier