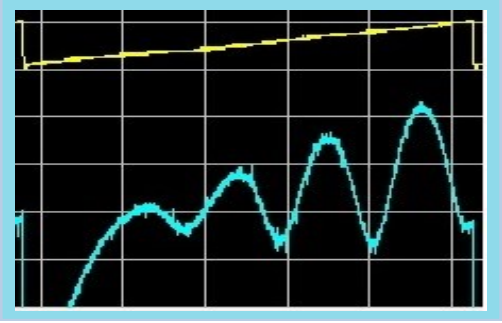
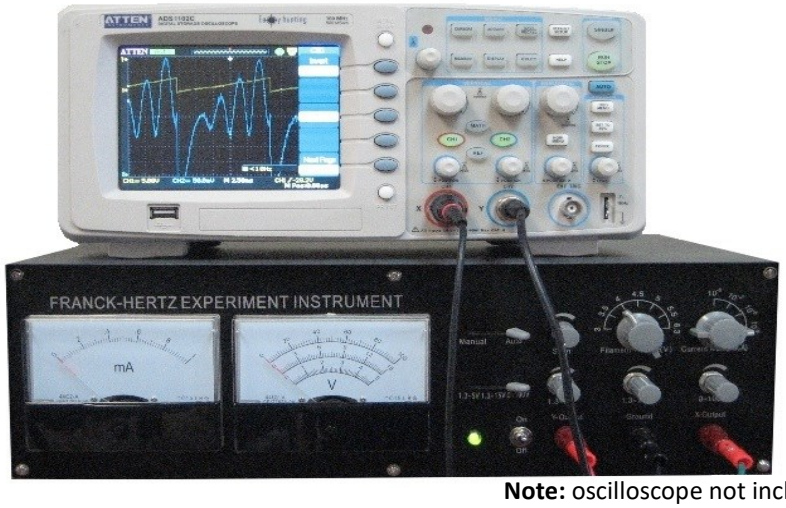
Construct, Conduct & Comprehend Physics Experiments

LEAI-30 Apparatus of Franck-Hertz Experiment - Basic Model

- *No preheating for Argon tube*
- *Multiple modes: manual recording, oscilloscope viewing or data processing (digital oscilloscope needed)*
- *Visible Argon tube*
- *Affordable*





Note: oscilloscope not included

This LEAI-30 Franck-Hertz experiment apparatus is a low cost instrument to demonstrate the existence of Bohr atomic energy levels. Experimental results can be acquired by manual data recording, or viewed on an oscilloscope, or processed using a digital storage oscilloscope. No oscilloscope is necessary if an optional data acquisition card is ordered for use with a PC via USB port. It is an ideal teaching apparatus for physics laboratories at colleges and universities.

Specifications

Voltage to Franck-Hertz tube	VG1K	1.3 ~ 5 V
	VG2A (rejecting voltage)	1.3 ~ 15 V
	VG2K--point by point	0 ~ 100 V
	VG2K--on oscilloscope	0 ~ 50 V
	VH (filament voltage)	AC: 3,3.5,4,4.5,5,5.5,& 6.3 V
Parameters of sawtooth wave	Scanning voltage	0 ~ 50 V
	Scanning frequency	115 Hz ± 20 Hz
	Amplitude of scanning output	≤ 1.0 V
Micro current measuring rage	10^{-9}~10^{-6} A	
Number of measured peaks	point-to-point	≥ 5
	on oscilloscope	≥ 3

Lambda Scientific Systems, Inc.
16300 SW 137th Ave, Unit 132
Miami, FL 33177, USA
Phone: 305.252.3838 Fax: 305.517.3739
E-mail: sales@lambdasys.com
Web: www.lambdasys.com

Note: above product information is subject to change without notice.