

Digital Ripple Tank Experiment



No.	Name	Describe	Qty
1.	Ripple Tank	Black metal rectangle tank, size is larger than L380×W295×H25×T2mm,	1set
2.	tank metal tripod	ϕ 10×H320mm , adjustable level design	1set
3.	Stroboscope rack	provide adjustable level rack for LED strobe light	1set
4.	LED stroboscope source	seven level LED display, frequency range: 1~100Hz, LED power white light, 3W, enclose power supplier: DC5V/1A ×1.	1set
5.	wave generator	Electromagnetic vibration source combines with vibration arm that can slide up and down to steady and adjust. Enclose RCA terminal wire ×1.	1set
6.	Function generator	1. Aluminum case, size: 200×120×44mm, seven levels of LED display. Ripple selection: Sine wave, square wave, Triangle wave Frequency range: 1~9999.9Hz, accuracy 0.1 Hz. Phase adjustment button: +0.1 、 +1 、 +10 、 +100 Hz Output communication: banana socket, BNC socket, 3.5mm Stereo socket. Adjustable power button. Input:DC12-15V 。 2. Enclose DC power supplier DC12V/1.5A ×1.	1set
7.	Observation screen	Full view of black screen, view angle more than 160 degrees from top, down, left, and right can observe ripple clearly and can also stick on the metal piece of the front feet in the tank.	1unit
8.	reflective glass mirror	Mirror larger than L380×W270mm	1piece
9.	Single wave source	There is no-slip pad in connecting gap that can install on vibration arm to produce single wave source.	1unit
10.	Double wave source	There is no - slip pad in connecting gap that can install on vibration arm to produce double wave source from two of 30mm distance circle heads.	1unit
11.	Direct wave source	There is no - slip pad in connecting gap that can install on vibration arm to produce double wave source from a board with 175mm length.	1unit
12. .	Curve reflective baffle	ϕ 148mm	1unit
13.	Refractive thin board	1. High quality clear transparent acrylic concave board × 1 , 2. High quality clear transparent acrylic convex board × 1, 3. High quality clear transparent acrylic trapezoidal board × 1,	1set
14.	interference diffraction baffle	made of aluminum with T shape, two are longer and one is shorter.	1set