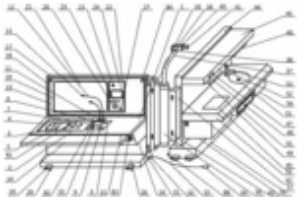
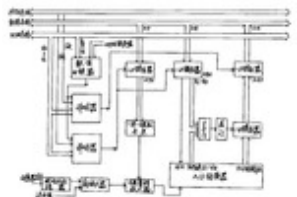
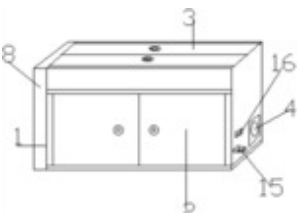
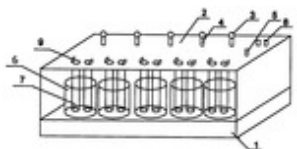


Patent families - 12 results

#	  Title	Publication number	Publ. date	Applicant/Assignee			
1.	Multifunctional physical and chemical experiment mobile display platform	CN107085980	2017-08-22	YANG YUHENG			100 %
The invention relates to a multifunctional physical and chemical experiment mobile display platform and relates to the technical field of student appliances. The technical purpose is to provide the multifunctional physical and chemical experiment mobile display platform; the multifunctional physical and chemical experiment mobile display platform includes a physical experiment platform, a circuit experimental groove is formed in the upper side of the physical experiment platform, and an experimental circuit is mounted on the upper side of the circuit experimental groove. According to the multifunctional physical and chemical experiment mobile display platform, combination is firm, dismounting, combination and use are convenient, a convenient physical weak current circuit experiment device and an electronic screen convenient for displaying are arranged, a cleaning tank and a ventilation device are mounted on the chemical display platform, experimental operation of a chemical reaction is convenient, and more convenient equipment is provided for experimental teaching of students.							
							
2.	Multi-functional automatic testing device for physics and chemical experiment	CN2338831	1999-09-15	SOOCHOW UNIVERSITY			76 %
The utility model relates to a multifunctional automatic testing device for physics and chemical experiments, which is characterized in that the utility model is composed of a sensor, an A/D converting circuit, an interface control circuit and a computer for controlling, managing, processing and delivering the collected data, wherein, the A/D converting circuit is composed of a linearization processing circuit, a signal amplification circuit and an A/D converter which are orderly connected in series, and the interface control circuit comprises two decoders, three latches, AND gates and OR gates which are corresponding to data numbers. The utility model has the characteristics that the automation, the visualization, the precision and the optimization of the overall process of experiments are realized really, and the teaching effect of the physics and chemistry experiments is enhanced greatly.							
							
3.	Box for physics that security performance is high experiments	CN206532488	2017-09-29	SHAANXI UNIVERSITY OF TECHNOLOGY			75 %
The utility model discloses a box for physics that security performance is high experiments, the power distribution box comprises a box body, the box top sets up sealing door, and box one side sets up side sealing door, including electric power instrument experimental cavity and chemical reaction experimental cavity, set up electric power storage box, ampere meter, voltmeter, experiment light and varistor ware in the electric power instrument experimental cavity in the box, box one side fixed surface sets up small -size solar cell panel, and small -size solar cell panel links to each other with electric power storage box electrical property, going up the sealing door inboard and setting up the leakage detection pen, the interior side surface of box sets up electrical insulating paint, bottom half one side sets up discharge valve, gas pressure gauge and temperature -sensing ware. This box for physics that security performance is high experiments reasonable in design, convenient to use, especially adapted physical experiment and chemical product's experiment has fine safety protection performance, has independent power supply system simultaneously, and environmental protection economy is fit for extensively promoting.							
							
4.	Substance conductivity demonstrator	CN2891161	2007-04-18	YIN GUANGLIN			69 %
The utility model discloses a substance conductivity demonstration device. All elements on a bread board are connected by wires, the bread board are easy to disassemble, and the students can directly study the circuit connection situation; the device adopts dry battery as power source to make experiment safe. Any connection part of the bread board is provided with two metal plates, and the device not only can do physics conductivity experiment, but also can do chemical acid, basic and salt conductivity experiment. The device has the advantages of simple structure and low cost.							
							

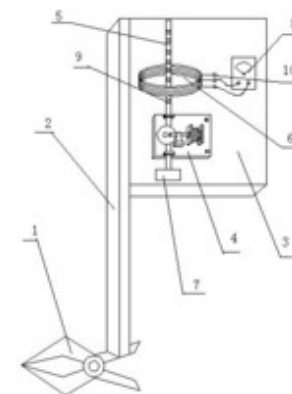
5. Experiment instrument capable of solving problem of electro-magnetic induction and operation method thereof CN106057041

2016-10-26

WEIHAI TAIHUA INTELLIGENT TECHNOLOGY

68 %

The invention relates to the technical field of electro-magnetic induction of the high-school **physics** and specifically relates to an experiment instrument capable of solving the problem of electro-magnetic induction and an operation method thereof. The experiment instrument is characterized in that the experiment instrument is formed by a support device and an experiment operation device. The support device comprises a clamp, a support and a fixation plate, wherein the fixation plate is provided with the experiment operation device. The experiment operation device is formed by a ticker timer, a paper tape, coils, a heavy object and a universal meter, wherein the ticker timer and the coils are fixedly arranged to the fixation plate through a base; the coils are arranged above the ticker timer and are in vertical arrangement; the center of the coils and limit holes of the ticker timer are in the same line; the paper tape passes through the coils and the limit holes in sequence and are connected with the heavy object; the paper tape is provided with a magnetic stripe; and the coils are connected with the universal meter on the fixation plate through a wire. The experiment instrument has the advantages of being simple in structure, powerful in persuasion performance of experiment result and convenient for students to realize visual understanding and mastering and the like.



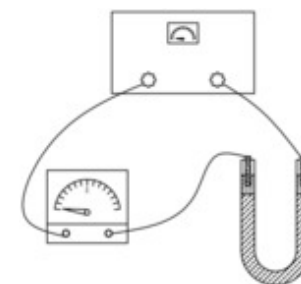
6. Method for building current model CN110751889

2020-02-04

YANG HAO

67 %

The invention provides a method for building a current model. The method for building the current model comprises the following steps of S1, adding an appropriate amount of saturated ferric chloride solution into a test tube, then adding water with the volume 25 times that of the solution into the test tube, and performing uniform shaking fully to prepare a ferric hydroxide colloid for later use; S2, taking three U-shaped tubes with different specifications, and adding an equal amount of the ferric hydroxide colloid into each U-shaped tube; S3, inserting graphite electrodes into the two ends of each U-shaped tube, enabling the graphite electrodes to be in contact with the ferric hydroxide colloid, then taking a power supply and an ammeter, and enabling the power supply, the ammeter and the graphite electrodes to be electrically connected in sequence through wires. The method for building the current model has the advantages that the abstract concept can be materialized, the relatively obvious experiment phenomenon is achieved, the experiment operation is simple, current formation reasons can be expounded, the macroscopic **chemical** experiment phenomenon can be well utilized to simulate the physical microscopic invisible phenomenon, and the purpose of innovative experiment teaching is achieved.



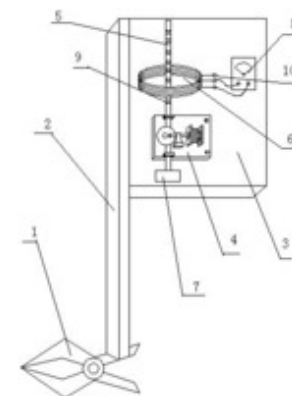
7. Utilize ticker -timer to solve laboratory glassware of electromagnetic induction problem CN205899905

2017-01-18

PU YUANHAO

67 %

The utility model belongs to the technical field of the high school **physics** electromagnetic induction technique and specifically relates to an utilize ticker -timer to solve laboratory glassware of electromagnetic induction problem, this laboratory glassware of its characterized in that comprises strutting arrangement and experiment operation device, strutting arrangement include clip, support and fixed plate, the fixed plate on be equipped with the experiment operation device, the experiment operation device comprises ticker -timer, paper tape, coil, heavy object and multimeter, ticker -timer and coil are fixed on the fixed plate through the support respectively, the coil lies in ticker -timer's top and is vertical range, hub of a spool and ticker -timer's spacing hole is on same straight line, the spacing kong bingyu heavy object that the paper tape passed coil and ticker -timer in proper order is connected, is equipped with the magnetic stripe on the paper tape, the multimeter that is equipped with on wire and fixed plate of coil be connected, have simple structure, experiment conclusion persuasion reinforce, the advantages such as audio -visual understanding of student and grasp of being convenient for.



8. Assembling puzzle toy for electronic skill training CN1054908

1991-10-02

CONG PEIYING

67 %

The invention toy is for those children interested in electronic circuits. It is composed of electronic devices and elements provided with connecting terminals for assembling electronic circuits by connectors according to the diagrams. It can be fitted inside a case or box or firstly on perforated board and then inside a case or box. Without any risk of high tension and soldering, the invention enables the children to assemble themselves electronic circuits and leads them into the world of electronics through the game, thus providing a practical basis for their future study of **physics**, mathematics and electric knowledge. It plays a positive role in popularizing and promoting electronic knowledge.

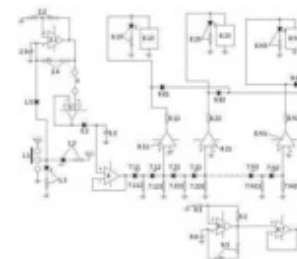
9. Integrated shaping indication teaching demonstration device CN106781904

2017-05-31

CHONGQING ZUNLAI TECHNOLOGY

67 %

The present invention provides an integrated shaping indication teaching demonstration device, belonging to the teaching instrument demonstration field. The device comprises a switching stage, a test hole, an alternating current simulation circuit, a rectification grade, an amplification grade, a light intensity display grade, a cursor indication grade and an oscillation grade. A capacitor is inserted into the test hole, in the alternating current condition, when the frequency of the alternating current simulation circuit is faster, the output of the amplification grade is more stable, the light intensity display grade and the cursor indication grade are more bright after passing through the rectification grade, because the oscillation grade clamps the cursor indication grade, and the cursor indication grade is the flashing state; in the direct current condition, the light intensity display grade and the cursor indication grade only bright once, when the device tests the inductance, the capacitance is opposite in the condition, students can more intuitively understand some simple **physics** and chemistry phenomenon to stimulate the teenager science enthusiasm. The integrated shaping indication teaching demonstration device can reflect the energy sizes of the measured object at alternating current and the direct current in the shaping mode, the line is simple, convenient and self-controlled so as to further enhance the students' operational ability and become an instrument popularized in many schools.



10. Small nuclear magnetic imaging instrument for teaching

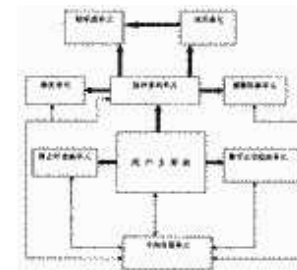
CN2746468

2005-12-14

TAIJIE INSTITUTE OF
MAGNETOELECTRICITY BEIJING

67 %

The utility model relates to a small nuclear magnetic imaging instrument for teaching. The utility model is developed for the teaching experiment for the students (bachelors, masters and doctors) majored in **physics**, medicine, chemistry, biology, etc, and can be used for training the medical personnel, the technicians in the magnetic resonance industry and the managers in the magnetic resonance industry. The small nuclear magnetic imaging instrument for teaching comprises a magnet part and a programmed controlling display operating part. The magnet part is composed of two iron pole faces, two permanent magnetic stacks and four compensating magnetic stacks. The two iron pole faces and the two permanent magnetic stacks are surrounded like Chinese character 'kou'. The two iron pole plates and the two permanent magnet stacks are respectively provided two by two in opposite way. The compensating magnetic stacks are symmetrically arranged in the two outside parts of the Chinese character 'kou', and are respectively abutted against the lateral surfaces of the two permanent magnetic stacks.



11. Micro-current demonstrating instrument for common education

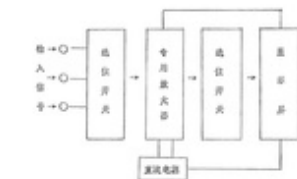
CN86205985

1987-10-28

JIANG CHUKAI

67 %

A micro-current demonstrating instrument for common education belongs to a special instrument in electricity instruments of the science course teaching of middle schools. The utility model uses a DC amplifier to magnify weak electric signals concerned in the electricity background of the middle schools or process a positive signal and a negative signal through an electronic circuit, and then drives a diode display screen to display the current direction and the positive and negative polarities of the electric signals by graphics. The device of the micro-current demonstrating instrument for common education has a high sensitivity, a small body, simple operation and highly visual and intuitive demonstration. And furthermore, an electric pan can be used in either polarity. The utility model is suitable for being used in the natural course teaching of primary schools, the **physics** teaching of junior and senior middle schools, and the chemistry teaching of senior middle schools.



12. Resistance wire type potential difference meter device used for physical experimental teaching

CN202650364

2013-01-02

KUNMING UNIVERSITY OF SCIENCE &
TECHNOLOGY

65 %

The utility model relates to a resistance wire type potential difference meter device used for physical experimental teaching, which belongs to the field of teaching instruments. The device is divided into three parts. The first part is composed of a N-1-meter resistance wire. The resistance wire per meter is wound into a coil shape to form an N-1-gear stepping plate with 1-meter stepping. The second part is a substitution line which is composed of two 90-centimeter resistance wires. The resistance wire per 10-centimeter is wound into a coil shape to form a 9-gear stepping plate with 10-centimeter stepping. The third part is a substitution line which is composed of two 10-centimeter resistance wires. In a measurement process, by changing the positions of a knob gear and a slide wire plate contact, the selection of resistance wires of different length is realized, so as to select an appropriate voltage. An instrument is packaged with a transparent panel. According to the utility model, the operation panel is transparent; the internal structure is clearly visible; and the instrument retains the working principle of a string potential difference meter and introduces the operation method of stepping in other types of potential difference meter.

