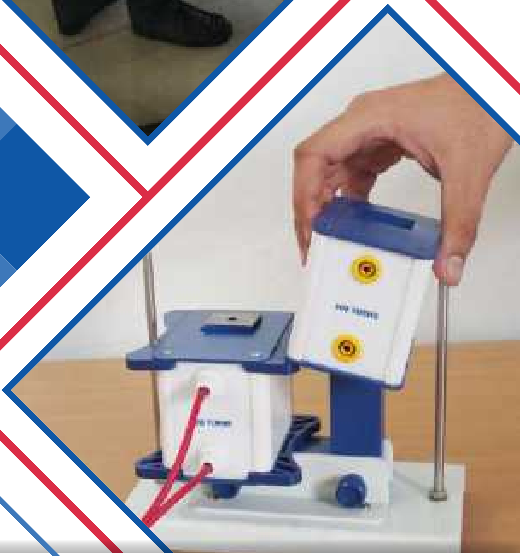
inspire®

Physics Catalogue



Designed in UK

Tailored for Physics

Manchester Warehouse

Local Service & Support

CE Certified

Meeting UK Standards

Watch our website for exciting price drops and deals.
www.inspirephysics.com

----- About Us----

About Inspire Physics Ltd.

Inspire Physics Ltd has been established in the UK to ensure faster service and support for our customers in the region. Inspire Physics Ltd will offer Inspire-branded products as well as a selection of other Indosaw products to meet a broader range of customer needs. All products will be stocked in our warehouse in Manchester. Inspire Physics Ltd is committed to delivering quality products by focusing on our customers' needs. With years of experience, we have developed innovative products that reflect our dedication to originality (we don’t copy others—we innovate from first principles), high-quality materials, and precision manufacturing. Our commitment is evident in our detailed manuals, software, and apps that bring wireless data to life. The name "Inspire" embodies our mission to create unique and meaningful products that push boundaries and set new standards. We are dedicated to providing laboratory equipment that meets the demands of today and anticipates the needs of tomorrow.

Innovation Support:

Our innovations have been supported by industry experts like David Cook-Martin and others from the UK for product development beside our own R&D team in India.

David Cook-Martin
Grad Inst P, M Inst P,
PGCE from the UK

Building Quality into Every Inspire Product

With a dedicated in-house facility for embedded solutions, software, CAD, CAM, and instrumentation, we ensure our products meet consistent, high standards. Operator and assembler training is essential to our process. Each product goes through rigorous testing, calibration, and quality inspection, including a final 12-hour soak test under full load conditions.

All Inspire Power Supplies are tested to meet CE safety standards, and as an ISO 9001:2015 certified company, our systems and processes are designed to uphold the highest quality standards.

Proudly Made in India

We believe in building honest relationships with our customers. That’s why we are transparent about where our products come from, and we are proud to share a part of India with the world.

INSPIRE PHYSICS LTD.
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Products Index

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Inspire Laser Ray Kit with Accessories SV144B

This kit contains a laser ray box with five independent laser modules, supplied with eight printed magnetic template sheets. Thin magnetic sheet are attached to the bottom of laser housing and lens accessories, thus allowing easy positioning of template sheets on a magnetic board for the demonstration of various experiments in vertical plane for classroom demonstration.

- ❑ Full range of lens accessories.
- ❑ Supplied with a high-quality carry case.

CONTENT:

Price	Code	Description	Qty.
£177.00	SV144B	Laser Ray Box with Adaptor	1
		Biconvex Lens No. 1	1
		Biconvex Lens No. 2	1
		Biconvex Lens No. 3	1
		Biconvex Lens No. 4	1
		Biconcave Lens No. 5	1
		Plain Mirror No. 6	1
		Concave Mirror No. 7	1
		Concave Mirror No. 8	1
		Plano Convex Lens No. 9	1
		Prism No. 10	1
		Rectangular Plain Parallel Plate No. 11	1
		Optical Fiber No.12	1
		Plano Concave Lens No. 13	1
		Plano Convex Lens No. 14	1
		Briefcase Aluminium	1
		Work Sheets (Set of 8)	1
£34.00	C14741	Magnetic Board with Pipe Support	1

CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

IGCSE Level:

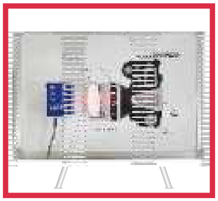
- ❑ Reflection and refraction of light.
- ❑ Lenses and image formation.
- ❑ Human eye structure and vision defects.

A-Level:

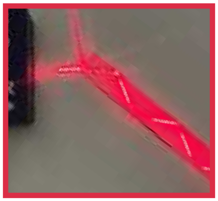
- ❑ Advanced study of optical instruments like telescopes and cameras.
- ❑ Analysis of spherical aberrations.
- ❑ In-depth exploration of human vision and corrective optics.

C14741

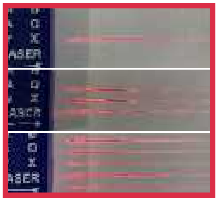
SV144B



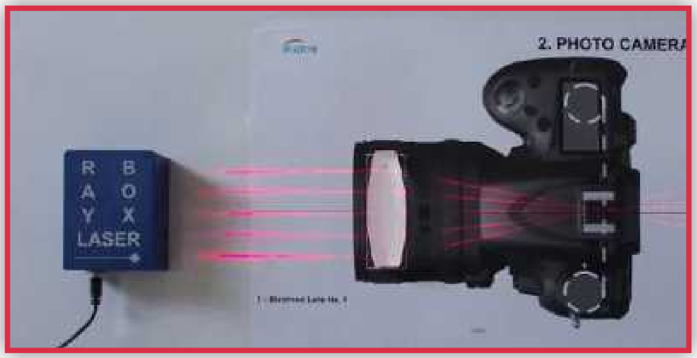
Magnetic Board for Classroom Demonstration



Working Principle of Optical Fiber



Easy Mode Switching of Laser Beam



Functioning of Photo Camera

INDOSAW
Committed To Excellence

Colour Mixer SV195

Explore the captivating phenomenon of color mixing with our innovative LED technology demonstration! Color can be perceived in two distinct ways: subtractive and additive mixing. In subtractive color mixing, more wavelengths of light are absorbed rather than reflected back to our eyes. In contrast, additive color mixing can be understood as the 'adding' of wavelengths of light that reach our eyes.

Six LEDs on frame consists of six LEDs—three inner LEDs (red, green, and blue) and three outer LEDs (red, green, and blue)—arranged in a circular frame with 120-degree separation, ensuring equal distance from the center.

The control box can operate the LEDs in inner or outer mode and vary the intensity of each LED from 0 to 100%.

Circular aperture, creates overlapping circles of colors. The translucent screen, allowing the effect to be visible from both sides.

SV195

Six Ultra-Bright LED

Colour Mixer Control Box

Digital Precise Control & Digital Display

- ❑ Subtractive and Additive colour mixing
- ❑ By varying the intensity of LEDs, any shade of any colour obtained
- ❑ U channel for fixing all items at desired place.

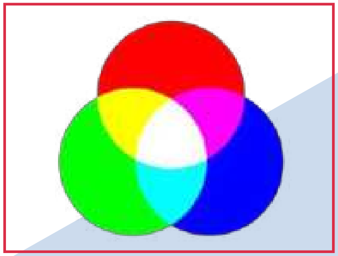
CONTENT:

Price	Code	Description	Qty.
£107.00	SV195	Control Box with Adaptor	1
		Rider With Knurled Screw	3
		U Channel	1
		Diaphragm With Rod	1
		Screen With Rod	1
		Six LEDs On Frame	1

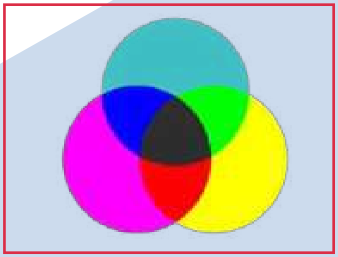
CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

IGCSE Level:
- ❑ Understand how different wavelengths of light combine.
- ❑ Investigate the principles of additive colour mixing.

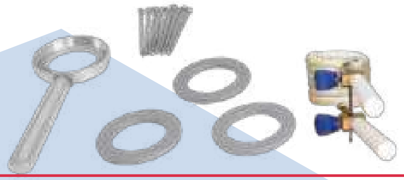
A-Level:
- ❑ Explore the concept of spectral wavelengths.
- ❑ Understand the physics of perception through primary and secondary colours.



Additive Colour Mixing



Subtractive Colour Mixing



Induction Accessory Kit - SH273

Motor Accessory Kit - SH284

Inspire Demonstration Transformer Kit SA742B

The Inspire Demonstration Transformer Kit has been designed with additional safety features. All primary and secondary coils are incorporated with a unique safety design, preventing the use of standard coils alongside and thereby avoiding harmful voltages. With this power supply, no voltage greater than 25 V AC can be produced, regardless of the primary-secondary coil combination selected by the user.

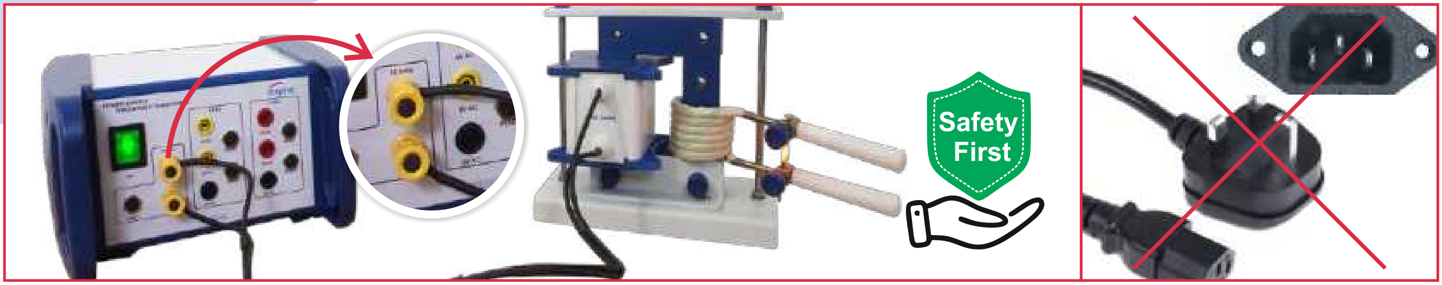
- ❑ Safe, purpose-designed power supply with 25V AC limit.
- ❑ Prevents unsafe coil combinations with special connectors.
- ❑ Versatile setup for a wide range of electrical experiments.
- ❑ User-friendly design for hands-on learning and demonstrations.
- ❑ Specially designed coils ensure safe experimentation.

CONTENT:

Price	Code	Description	Qty.
£157.00	SA718	U & I Core with base and Clamp	1
		Coil 300 turns	1
		Coil 600 turns	1
		Coil 900 turns	1
		Coil 600-0-600 turns	1
		Coil 1800 Turns	1
£27.00	SA719	Coil 100 Turns with wings	1
£46.00	SA720	Coil 300 Turns with wings	1
£39.00	SH273	Nail with Grove	20
		Grooved Ring with Handle	1
		Ring Solid	2
		Ring Split	1
		Copper Coil Six Turn Assembly	1
		Bobin Half	1
£34.00	SH284	Clamping Knob	2
		DISC	1
		Bearing Axle Assembly	1
		Support Rod	1
		Quadrant Plate Plain	1
		Quadrant Plate Slotted	1
		Pointed Core	2
£214.00	SA825	Inspire Induction Accessories Complete Kit (SA718, SA719 & SH273)	1

Additionally Required:

Price	Code	Description	Qty.
£118.00	SA722	Inspire Demonstration transformer Power Supply	1
£22.00	SE067	Digital Multi Meter	1



Dedicated power supply with 25V, 10A sockets eliminates use of direct AC mains connection to the coils, ensuring safe and stable operation.

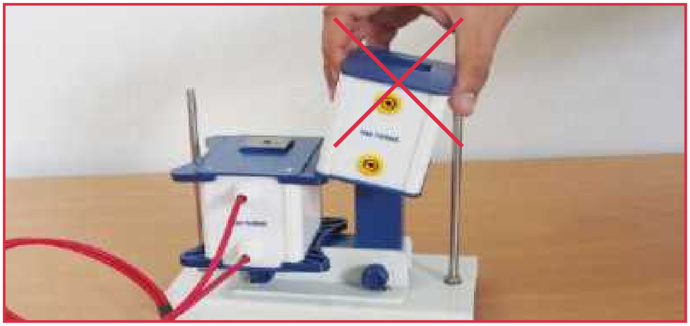
CURRICULUM RELATED EXPERIMENTS

IGCSE Level:

- ❑ Demonstrate how a transformer works.
- ❑ Show the effect of changing the turn ratio on voltage.
- ❑ Show how transformers transfer energy from one circuit to another.
- ❑ Explore energy losses in transformers.

A-Level:

- ❑ Verify that induced emf depends on the rate of change of flux.
- ❑ Confirm that V_pI_p=VsIs in an ideal transformer.
- ❑ Study how different core materials affect transformer performance.
- ❑ Investigate high-voltage step-up and low-voltage step-down transformers.
- ❑ Show how transformers are used in rectification circuits.
- ❑ How transformers match impedance for maximum power transfer.



Specially designed moulded coil with wings for attaching specific accessories only

Inspire Demonstration Transformer Power Supply SA722

The Inspire Demonstration Transformer Kit operates with a unique power supply that delivers a fixed low-voltage, high-current output of 25V at 10A. This configuration is compatible with our 100-turns and 300-turns mains coils, removing the need for a conventional 230V supply.

- ❑ Output voltage: fixed output of 4 & 8V DC, 5A, 2 & 4V AC, 5A
- ❑ Mains coil replacement output: 4V,10A
- ❑ Unique connector prevents wrong wiring of mains coil substitute

CONTENT:

Price	Code	Description	Qty.
£118.00	SA722	Inspire Demonstration Transformer Power Supply	1

Ring Launcher

- ❑ To demonstrate the Lenz's law a
  of electromagnetically induced c

SV543A

Ring launcher demonstrates Lenz's law and effects of electromagnetically induced currents in a unique setup.

An iron core is placed in a solenoid. The ring fits over the coil at some height. When we press launch button on control panel to energize the coil, a large magnetic induction builds-up on the axis of coil, generating oppositely directed induced current in the ring. The two oppositely directed inductions repel, aluminium ring shoots up to several feet in air. No effect is seen when using aluminium ring with split or acrylic ring.

Transformer principle observed with coil of wire having low voltage lamp, which lights briefly. Overheating of coil is prevented by automatic one-shot timing feature. The ring launcher has several inbuilt interlocking safety feature along with speech for safe launching.

- ❑ Activation of the circuit by solenoid insertion and thus provides over current protection.
- ❑ Confirmation of activation by voice message.
- ❑ Necessary instruction and precautions are displayed on the unit.
- ❑ IR Remote for safe launching.
- ❑ Separate indication LED for Power, Activation Status, Remote Pulse and Launch Pulse.

CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

For more Information please visit us: www.indosaw.com

This product is not stocked in the UK & is shipped from India.
PRICE ON REQUEST

Code	Description	Qty.
SV543A	Ring Launcher Unit	1
	Iron Core	1
	Adjustment Collar	1
	Aluminum Ring	1
	Aluminum Ring with split	1
	Plastic Ring	1
	Coil with Lamp	1
	Core Holding Ring	1
	Main Power Cord	1
	Remote	1
	Bulb 4.5V	1

Magnetic Field Investigation Apparatus SA737B

SA737B

Inspire magnetic field investigation apparatus provides an excellent way to study the dependence of magnetic flux on the dot product of Magnetic Induction and Area vector. It can be supplied with or without Inspire power supply.

$$d\Phi = \vec{B}.\vec{ds} = Bds\cos\theta$$

IGCSE Level:

- ❑ Visualize magnetic field lines around magnets and current-carrying conductors.
- ❑ Investigate the strength and polarity of an electromagnet.
- ❑ Observe how magnetic materials align with Earth's magnetic field.

A-Level:

- ❑ Study the magnetic field variation with current and distance.
- ❑ Explore the uniform magnetic field inside a solenoid.
- ❑ Demonstrate the force on a current-carrying conductor in a magnetic field.

- ❑Wide experimental scope.
- ❑Precision moulded coils.
- ❑Coil lockable to any angle.
- ❑Robust design.
- ❑Zero offset using fine and coarse knobs.
- ❑Dedicated switch for ac/dc magnetic field selection.
- ❑Detachable probes & main power cord.

Bi-Directional Coil Rotation

SE1083A

Inspire Magnetic Flux Density Meter (Tesla-Meter) SE1083A

It is used for measuring magnetic field strengths directly and accurately. By means of the pre-calibrated probe various magnetic fields can be investigated and cover the practicals required by the current A-Level syllabus.

- ❑Useful for measuring AC magnetic field
- ❑Ranges: 0 – 20, 0 – 200 and 0 – 2000mT options
- ❑Tare/zero adjustment for background magnetic field
- ❑Measurement of magnetic field in transverse and longitudinal direction

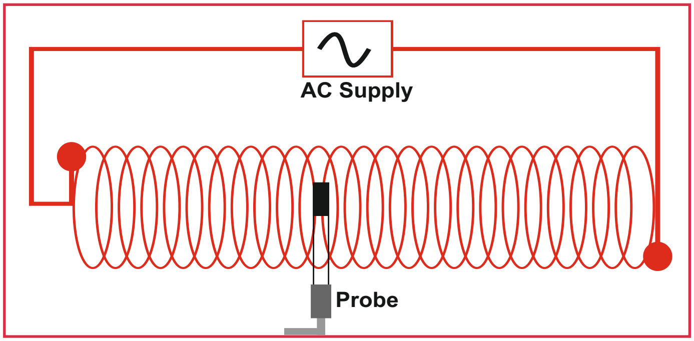
CONTENT:

Price	Code	Description	Qty.
£202.00	SE1083A	Inspire Magnetic Flux Density Meter (Tesla-Meter)	1
£81.00	SA824	High Accuracy Flat Probe (Optional)	1

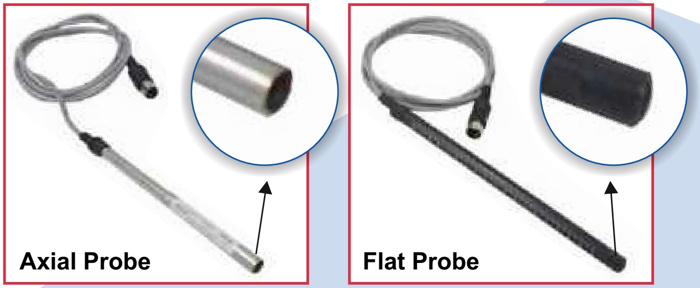
CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

CONTENT:

Price	Code	Description	Qty.
£324.00	SA737B	A-Inspire Magnetic Flux Density Meter (Tesla-Meter)	1
		Magnetic Field Investigation Coil	1
		Flexible Plug in Lead 100cm, Black	1
		Flexible Plug in Lead 100cm, Red	1
£209.00	SE1076A	Inspire Power Supply 1-15V, AC/DC, 6A (Optional)	1



Measurement of AC Magnetic FIeld



Supplied with high accuracy probe (Axial and Flat)

Force On A Conductor In Magnetic Field (Laplace Rail Demonstration) - SA736

This innovative apparatus is designed to demonstrate the force exerted on a current-carrying conductor in a magnetic field. It features a pair of metal rails equipped with 4 mm plugs at their ends for easy connection to a power supply. A lightweight, conducting brass axle with discs at both ends rests on the rails, creating an electrical connection between them. The setup is exposed to a vertical magnetic field generated by two bar magnets. When current flows through the system, the axle experiences a force—either outward or inward—depending on the magnetic field's direction, causing it to roll along the rails. This fascinating phenomenon, known as the motor effect, effectively illustrates fundamental electromagnetic principles.

- A great example to study Fleming's Left hand Rule.
- Demonstration of force on a conductor in a magnetic Field.
- Tabletop demonstration of rail-gun.
- Demonstration of Laplace Rail

CONTENT:

Price	Code	Description	Qty.
£134.00	SA736	Inspire Electromagnetic Power Supply 2V, AC/DC, 10A	1
		Pair of Laplace Rail	1
		Axle With Wheel	1
		Platform for Rail	1
		Yoke U-Section	1
		Ferrite Magnet	2

CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

IGCSE Level:
- Force on a Current-Carrying Conductor in a Magnetic Field.
- How magnetic fields are generated by electric currents.
- How Magnetic fields can exert forces on conductors.

A-Level:
- Force on a Conductor in a Magnetic Field.
- Magnetic Fields and their Effects.
- Electromagnetic Induction and Motors.

Experimental Radio Activity Set SH268

For use with the traditional range of radioactive sources. Comprising of an Aluminium extrusion bench with graduated scale, set of radiation absorbers and radiation collimator.
This set allows students to investigate the nature of radiation including:
- The classification of different material
- The randomness of emitted radiation
- Rates of decay (including half lives)
- The range of Alpha radiation in air
- The effectiveness of materials as Beta radiation shields
- The penetration of Gamma radiation.
- Beta radiation scattering

CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

Additionally Required Accessaries:
- ❖ Geiger-Müller tube and holder.
- ❖ Compatible rate meter or counter.
- ❖ At least one radioactive source.

SCOPE OF SUPPLY:

Code	Description	Qty.
C1743	Radioactivity Bench	1
C1746	Source Holder, 3 Hole	1
C1747	Source Holder, 1 Hole	1
C1748	Protractor Paper	1
CB202	Carriage for Holder	3
R6142	Binder Clip 1″	2
CH232	Collimator, Simple Pattern	1
C1284	Absorber Aluminium Block 50 X 40 X 30 MM	1
C1286	Absorber MS Block 50 X 40 X30 MM	1
C1287	Absorber Lead Block 50 X 50 X 20 MM	1
C1738	Absorber Wood Block 50 X 40 X 30 MM	1
C1737	Absorber Thermocol Block 50 X 40 X 30 MM	1
C1741	Absorber AL Plate 80 X 55 X 0.22 MM	1
C1740	Absorber AL Plate 80 X 55 X 0.90 MM	1
C1739	Absorber AL Plate 80 X 55 X 1.60 MM	1
C1288	Absorber Lead Plate 70 X 50 X 3 MM	4
C1289	Absorber Lead Plate 70 X 50 X 1.6 MM	1

Price	Code	Description	Qty.
£90.00	SH268	Experimental Radio Activity Set	1

Newton Meter Scale SH307

The Newton Scale is an excellent tool for exploring the differences and similarities between mass and weight. It is calibrated in Newtons, it allows students to weigh objects or even people. By using the scale, students can determine how much a Newton represents and convert Newtons to metric units to calculate weight accurately. The scale color may vary.
- ❑ Highly accurate and sensitive.
- ❑ Portable & light in weight with zero adjustment.
- ❑ Capacity130kg / 0.5kg.
- ❑ Size 26 x 26 x 5cm.

SH307

CONTENT:

Price	Code	Description	Qty.
£21.00	SH307	Newton Meter Scale	1

Geigger Muller Tube Holder SH059A

Geiger-Müller tube holder, for use with GM tube and scaler timer. The unit consists of an Aluminium box 58 x 33mm (Ø x depth) which houses the GM tube socket. Connection is through a 1m long coaxial connecting lead, terminated in a standard TNC connector (replacing the obsolete PET connector featured in previous units). A 2.2MΩ stabilising resistor is internally wired in series with the anode connection.

SH059A

- This holder is compatible with radioactive timers which have a BNC Connector.
- If schools have an older timer which does not have a BNC connector, these timer connectors can be updated and replaced to accommodate a BNC Connector.

CONTENT:

Price	Code	Description	Qty.
£65.00	SH059A	Geigger Muller Tube Holder	1

Additionally Required:
- ❖ Geiger-Muller Tube
- ❖ GM Counter

For more Information please visit us:
www.inspirephysics.com

Inspire Wireless Timing Ball SV748

The Timing Ball is a unique device that records the time from the moment of the ball's release to the moment of impact (whether on the ground or an object). It is ideal for experiments involving acceleration due to gravity (g). A built-in 3-axis accelerometer detects both the release and impact of the ball, providing impressive accuracy in measurements, such as for measurement of 'g'.

Results are displayed in both table and graph form by means of available free software for PC, tablets and mobile phones .

- ❑ High-resolution time measurement with 1 ms accuracy.
- ❑ Built-in 3-axis accelerometer for precise detection.
- ❑ Reliable Bluetooth connectivity for seamless data transfer.
- ❑ Cross-platform support for Laptop and Android.
- ❑ Displays results in both table and graph formats.
- ❑ Ideal for studying freefall equations..
- ❑ Robust, simple design and economical for educational use.
- ❑ Supports multi-device connectivity for collaborative experiments.

CONTENT:

Price	Code	Description	Qty.
£79.00	SV748	Inspire Wireless Timing Ball	1
£21.00	SV799	Timing Ball Pointer Accessory	1
		Cylindrical Base	1
		Meter Ruler (Wooden)	1

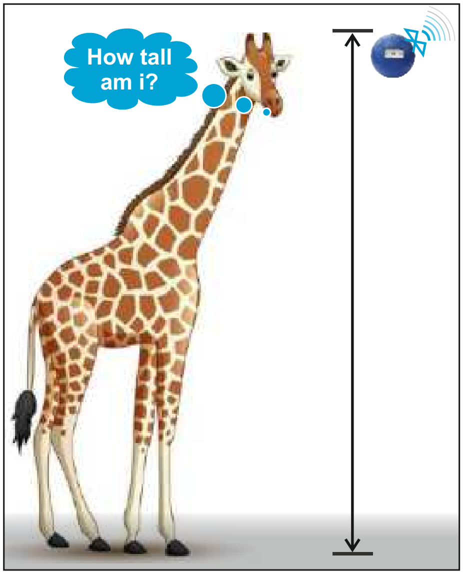
CURRICULUM RELATED EXPERIMENTS

IGCSE Level:

- ❑ To determine 'g' using free-fall measurements.
- ❑ Explore concepts such as time of flight and free-fall physics.
- ❑ Relate time, height, and velocity to create and interpret graphs.
- ❑ Introduce concepts of random and systematic errors in experimental data.

A-Level:

- ❑ Extend free-fall experiments to study relationships between displacement, velocity, and time under uniform acceleration.
- ❑ Analyze vertical motion components using the timing ball.
- ❑ Investigate energy transformations during free-fall.



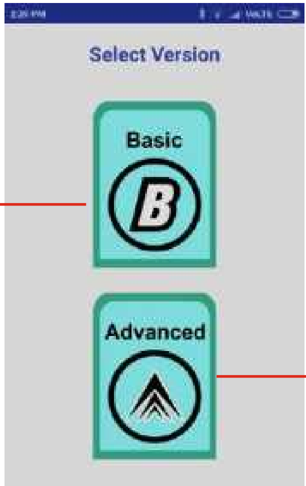
Inspire Wireless Timing Ball Stand Alone used to Measuring Height of an Object

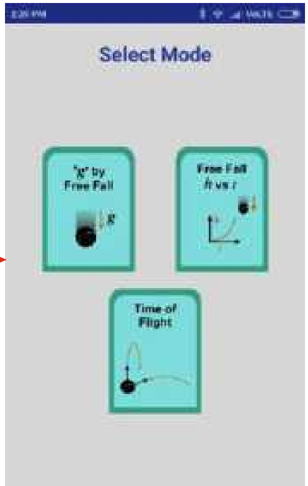
Inspire Wireless Timing Ball Software/App

Free App & Software

Software (App)

Two operating mode: 'g' by Free Fall & Time of Flight.

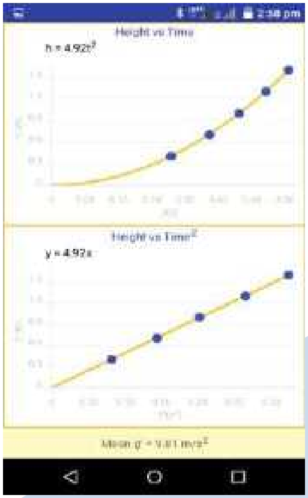




Three operating modes: "*g*' by Free Fall, *h* vs *t* & Time of Flight.

MANUAL ENTRY FOR HEIGHT

TABULAR DISPLAY



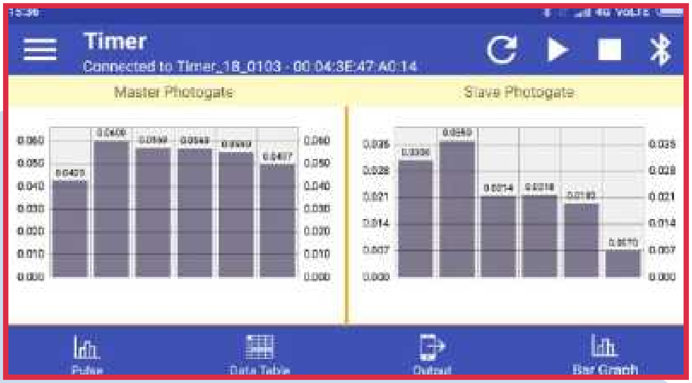
GRAPHICAL DISPLAY

'g' by Free Fall Experiment

Wireless Light Gate for PC and tablet

Rechargeable Built-In Battery

Free App & Software



Software Screen for Inspire Primary and Secondary Light Gate

Inspire Wireless Intelligent Light Gate SA724

The Inspire Wireless Light Gate require no external timer or wiring setup, making them ideal for use with Pendulum, Velocity of object and angular velocity. The primary light gate connects via Bluetooth to any Smartphone/PC running the included software, while the built-in rechargeable battery powers up to six secondary light gates or a separate g by free fall release mechanism.

The intelligent light gate software, available for both PCs and tablets, connects with the primary light gate and provides real-time results instantly. The software, supplied for PCs and available for free on the Play Store, offers both 'Basic' and 'Advanced' modes for flexible user control.

CONTENT:

Price	Code	Description	Qty.
£90.00	SA724	Inspire Wireless Intelligent Light Gate (Primary)	1
£6.40	SA734	Picket Fence (10 slits)	1

Application Examples:

Pendulum Experiment using Inspire Wireless Intelligent Light Gate

Free Fall Experiment using Inspire Wireless Intelligent Light Gate

Inspire Wireless Intelligent Light Gates

The Inspire Intelligent Wireless Light Gate (Primary) is a versatile tool for conducting various experiments, especially when paired with the Inspire Light Gate (Secondary). This setup is ideal for applications such as linear air tracks, dynamics tracks, and the measurement of acceleration due to gravity (g) through free fall.
For optimal use, mounting rods are required to properly position the light gates. The system supports experiments including the study of the law of motion, viscosity of glycerin, and more, making it an indispensable device for educational and experimental purposes.

CONTENT:

Price	Code	Description	Qty.
£109.00	SV800	Pair of Inspire Wireless Intelligent Light Gates (Primary & Secondary)	1
£19.00	SA726	Inspire light gate (Secondary)	1

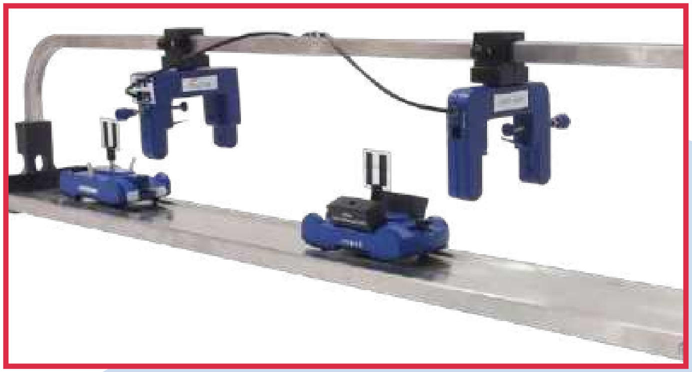
SA724

SA726 **Daisy Chaining of Inspire Light Gates**

Free App & Software

Application Examples:

Linear Air Track (SK099B) using Inspire Wireless Intelligent Light Gate

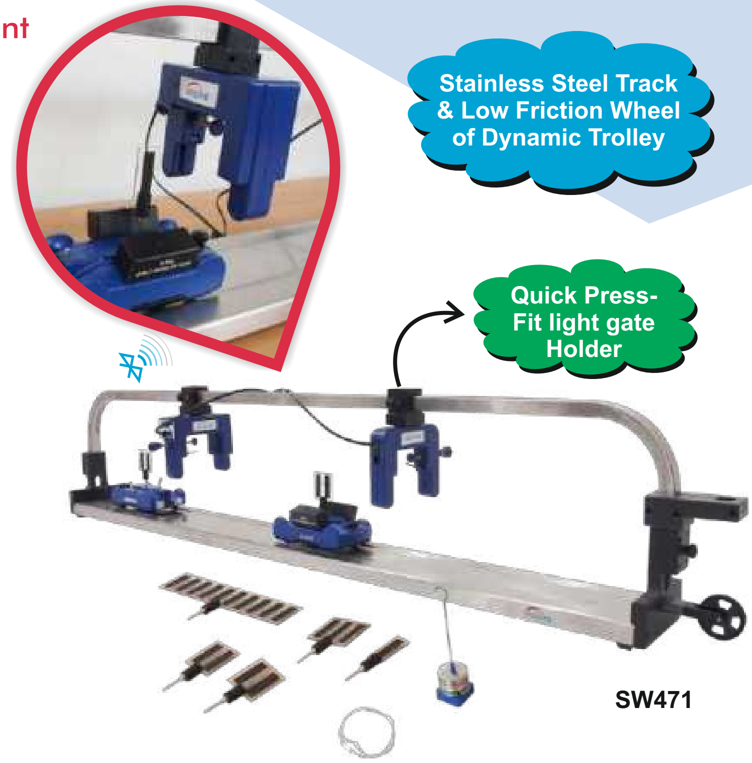


Law of Motion(SW471) using Inspire Wireless Intelligent Light Gate

Inspire Law of Motion Kit with Wireless Intelligent Light Gate SW471

Explore the principles of motion with our comprehensive law of motion kit, designed to bring Newton's laws to life through engaging, hands on experiments.
This kit contains 1.2m stainless steel dynamics track and 2 robust low friction metal dynamics trollies with removable weights. The kit is provided with all accessories for conducting experiments of the different laws of motion.

- ❑ 1.2m stainless steel dynamics track
- ❑ 2 robust low friction metal dynamics trollies with removable weights
- ❑ A range of light gate masks
- ❑ Slotted mass set and pulley for constant acceleration experiment
- ❑ Clamps to accommodate Inspire SA724 Light Gates
- ❑ Inspire Light Gates slot easily onto the overhead carriers
- ❑ Ruler mounted on the overhead rail to set the gate distance



CONTENT:

Price	Code	Description	Qty.
£109.00	SV800	Pair of Inspire Wireless Intelligent Light Gates (Primary & Secondary)	1
£19.00	SA726	Inspire Light Gate (Secondary) with Cable	1
£279.00	SW471A	U Shaped Channel for Rider	1
		Light Gate Rider	2
		Light Gate Holder for Pulley Exp.	1
		Stainless Steel Track with Pulley	1
		1-B Picket with Plug	1
		2-B Picket with Plug	2
		3-B Picket with Plug	1
		10-B Picket with Plug	1
		Slotted Mass Set (10g x 9 nos.+Hanger)	1
		Thread 8 m	1
		Dynamic Trolley	2
		Additional Weight	4
		Holding Rod 4mm Dia	2
£386.00	SW471	Inspire Law of Motion Kit with Light Gtates	1

CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

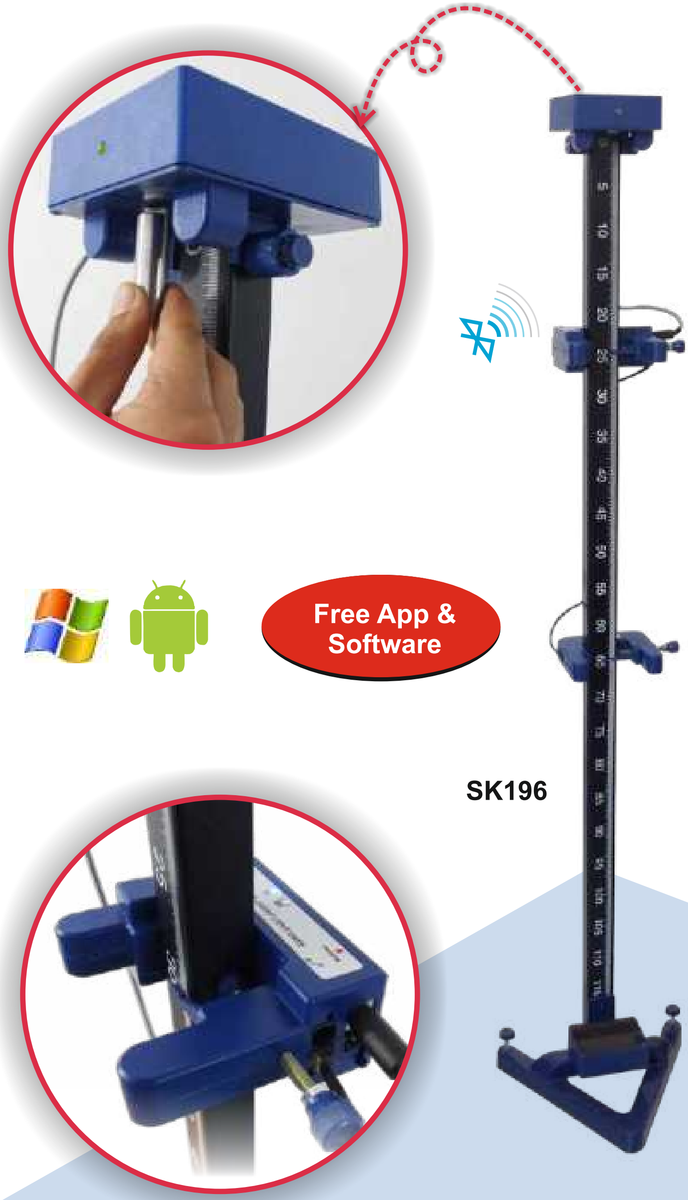
IGCSE Level:
- ❑ Investigating force, mass, and acceleration relationships.
- ❑ Measuring motion and plotting results graphically.
- ❑ Studying collisions and momentum transfer.
- ❑ Examining kinetic and potential energy conversion during motion.
- ❑ Determining acceleration due to gravity.

A-Level:
- ❑ Investigating elastic and inelastic collisions with detailed data analysis.
- ❑ Studying energy dissipation and oscillatory behavior.
- ❑ Analyzing forces and motion on a slope, including friction effects.
- ❑ Exploring how kinetic energy varies with mass and velocity.
- ❑ Using oscillation studies to calculate spring constants.

'g' By Freefall Apparatus with Wireless Intelligent Light Gates SK196

This system is expertly designed to work with Intelligent Light Gates, facilitating the requirements of the current A-Level compulsory practical for calculating the acceleration due to gravity (g). The Intelligent Light Gate utilizes the Solenoid (SA732), which securely grips either a ball bearing or pellet in place before initiating the experiment, all controlled seamlessly through the 'g' by freefall software. This software is available free of charge for PCs, smartphones, iPads, and Android tablets via iTunes and Google Play. To ensure precise alignment, we recommend using the 1.2-meter extruded stainless steel stand (SA725) with the Solenoid and Light Gates. This setup guarantees that the Intelligent Light Gates and the Solenoid are perfectly aligned, allowing the ball bearing to drop through the light gate(s) accurately and consistently, enhancing the reliability of your experiments.

- ❑ Easy to set up with accurate results.
- ❑ Wireless connectivity of the intelligent light gate with laptops or mobile devices via software/app.
- ❑ Intelligent light gate equipped with a built-in digital timer with 100-microsecond resolution.



CONTENT:

Price	Code	Description	Qty.
£90.00	SA724	Inspire Wireless Intelligent Light Gate (Primary)	1
£19.00	SA726	Inspire Light Gate (Secondary) with Cable	1
		Core Pin	1
		Plumb guide	1
		Thread Roll of Nylon	1
		Ball Receiver Cup	1
£53.00	SA725	A Base Assembly	1
		U Shaped Bed	1
		Allen Key 4 mm	1
		Steel Ball 19 mm	2
		Ball Release Mechanism	1
		Picket Fence (10 slits)	1
£170.00	SK196	'g' by Freefall Apparatus with complete kit	1

Inspire Wireless Dynamics Car with Tracks Systems SL1047A

This Dynamics Car is designed to meet the requirements of the IGCSE and A-Level Physics curriculum, offering highly precise, real-time data recording at 50 samples per second. Bluetooth connectivity eliminates the need for wired connections, making it a modern alternative to traditional linear air tracks, ramps, trolleys, and light gates.

A secondary timing car, available as an additional option, connects to the primary car via an IR line-of-sight beam, enabling experiments on collisions and momentum. The primary car connects via Bluetooth to PCs or tablets, where software displays data on displacement, velocity, acceleration, force, energy, and momentum. The software includes user-selectable ‘Basic’ and ‘Advanced’ modes, along with experiment templates.

Experiments can be conducted on a high-quality 1.5m stainless steel track, which can also be inclined to serve as a ramp. For circular dynamics studies, a separate curved track is available, enabling users to graph damped simple harmonic motion and calculate the value of ‘g’ as an alternative to traditional g by free fall setups.

The accessory kit includes magnetically attachable bumpers, pulleys, masses, and a crumple zone attachment, allowing for a wide range of experiments, including elastic, inelastic, and coalescing collisions, demonstrations of Newton’s Second Law using a pulley, and studies on the conservation of momentum and energy

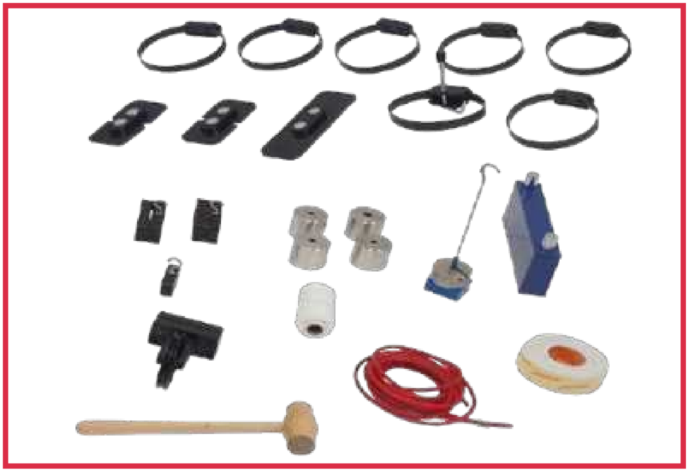
SL1047A

For more Information
please visit us:
www.inspirephysics.com

❑ Accompanied by Windows software with features like graphical visualization, polynomial fitting, and advanced data analysis tools.
❑ Includes a 1.5-meter stainless steel track that can be used as a straight or inclined ramp.
❑ Optional curved tracks enable studies of circular dynamics and SHM.
❑ Includes magnetically attachable bumpers and accessories for detailed analysis of elastic, inelastic, and coalescing collisions.
❑ Quick setup and seamless functionality as a wireless alternative to traditional air tracks.
❑ Simulates real-life scenarios like crumple zones to study energy absorption.

CONTENT:

Price	Code	Description	Qty.
£218.00	SA709	Inspire Wireless Dynamic Car (Primary)	1
£165.00	SA710	Inspire Dynamic Car (Secondary)	1
£100.00	SA711	Dynamic Linear Track 1.5 m	1
£66.00	SA712	Dynamic Curved Track	1
£134.00	SA714	Cotton Thread White	1
		Rubber Band (Size 2.5 ")	10
		Screw Driver	1
		1″ Double Sided Tape 1 m	1
		Barrier Large	2
		Weight Hanger	1
		Slotted Weight	9
		Weight 150 gm	4
		Velcro Pad	1
		Hook attachment for Track	2
		Inclination Feet	1
		Hook attachment for Car	2
		Elastic Rope	1
		Explosion Bumper Assembly	1
		Elastic Spring	6
		Pulley with Attachment	1
		Wooden Hammer	1
£536.00	SL1047A	Inspire Wireless Dynamics Car Complete Kit	1



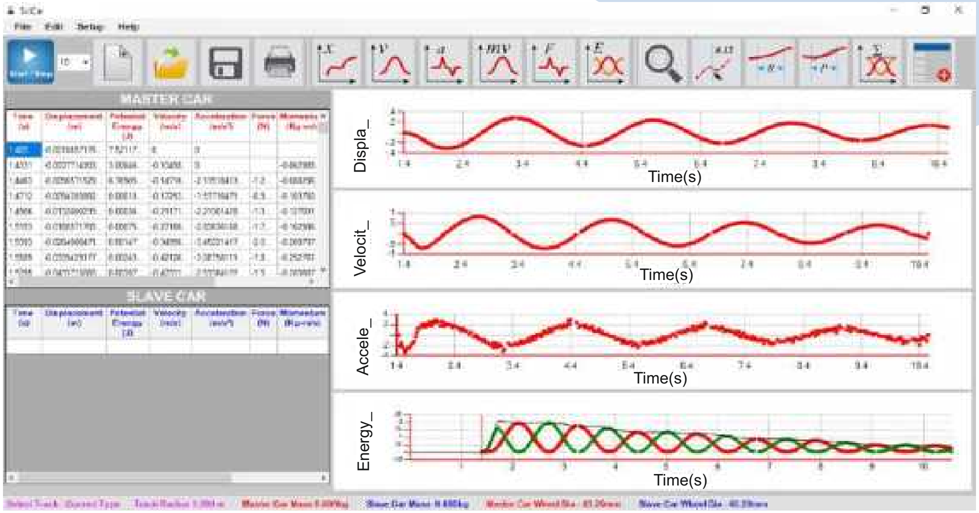
CURRICULUM RELATED EXPERIMENTS

IGCSE Level:
❑ Investigation of the relationship between force, mass, and acceleration.
❑ Application of Newton's First, Second, and Third Laws.
❑ Measuring and analyzing distance, speed, and acceleration using light gates.
❑ Exploring the effects of different surfaces and inclines on motion.
❑ Investigating kinetic energy, potential energy, and energy conservation.
❑ Studying the conservation of momentum in elastic and inelastic collisions.

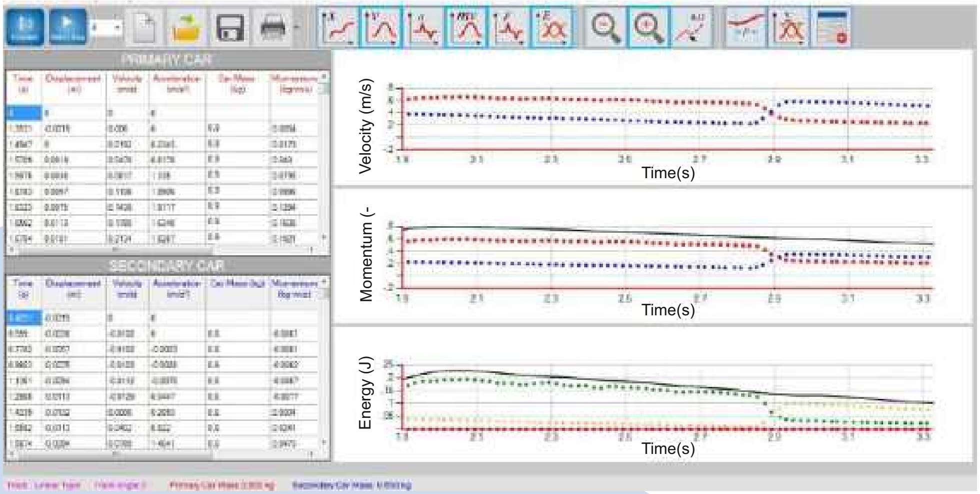
❑ **A-Level:**
❑ Quantitative analysis of motion in one dimension with accurate displacement, velocity, and acceleration data.
❑ Calculating forces and motion components on inclined planes.
❑ Exploring damped harmonic motion and simple harmonic motion in curved track setups.
❑ Detailed analysis of collision scenarios, including energy dissipation.
❑ Experimental measurement of work done and power output under varying loads.
❑ Demonstrating the effects of air resistance and drag forces on motion.
❑ Energy changes and safety analysis through crash tests.

Inspire Wireless Dynamics Car Software

Free Software



MOTION IN POTENTIAL WELL : CONSERVATION OF ENERGY



ELASTIC COLLISION BETWEEN TWO CARS OF DIFFERENT MASSES

Real Time Data Collection

For more Information please visit us:
www.inspirephysics.com

SA709

Inspire Wireless Dynamics Car SA709

The Wireless Dynamic Car is a state-of-the-art educational tool designed to independently perform a variety of experiments in mechanics. With its compact, wireless design and compatibility with linear and curved tracks, as well as a range of accessories, this car serves as a versatile solution for exploring key principles of motion and the laws of mechanics.

Capable of operating without additional track systems, the car facilitates numerous hands-on experiments, making it ideal for studying concepts such as velocity, acceleration, force, and energy. Its adaptability allows educators and students to conduct detailed investigations into topics like uniform motion, the effects of drag, acceleration due to gravity, and periodic motion, enhancing the learning experience through practical application.

Whether used on tracks or independently, the Wireless Dynamic Car empowers learners to gain a deeper understanding of the fundamentals principle of physics through engaging, interactive experimentation.

CONTENT:

Price	Code	Description	Qty.
£218.00	SA709	Inspire Wireless Dynamic Car (Primary)	1

STAND ALONE EXPERIMENTS WITH SA709:

- ❑ To Verify uniform motion and calculate velocity.
- ❑ Investigate the relationship between acceleration and force with additional weight.
- ❑ Study how initial velocity affects the total distance covered.
- ❑ Calculate acceleration due to gravity on an incline.
- ❑ Measure how drag reduces velocity and acceleration.
- ❑ Measure the time taken to travel a fixed distance under uniform motion.
- ❑ Analyze periodic motion in a potential well.

For more Information please visit us:
www.inspirephysics.com

INDOSAW Collision Kit SH070A

This kit is perfect for work on momentum collisions and the coefficient of restitution and now comes with an improved stainless steel track. Two carts, one with a velcro pad and cork and the other with a velcro pad and spring, two 1000mm tracks, a 40mm cube, twenty 10g masses, extra cork, and velcro pads are all included in the kit.

CONTENT:

Price	Code	Description	Qty.
£94.00	SH070A	Track Stainless Steel	2
		Wooden Cube 40 mm	1
		Bogie Male	1
		Bogie Female	1
		Weight (10gm)	20
		Velcro Pad Male	1
		Velcro Pad Female	1
		Wooden Stopper	1

- ❑ Stainless steel track two numbers
- ❑ Track size: - 1000mm
- ❑ Smooth running of carts on the track
- ❑ Removable 20 nos. of 10g masses

CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

IGCSE Level:

- ❑ How total momentum is conserved during collisions or explosions.
- ❑ Differentiating between collisions where kinetic energy is conserved or not
- ❑ Exploring how energy changes during collisions.

A-Level:

- ❑ How force and time affect changes in momentum during a collision.
- ❑ Quantitative analysis using mass, velocity, and kinetic energy equations to classify collisions as elastic or inelastic.
- ❑ How forces and motion are linked to real-world phenomena.

Boyle's Law Apparatus SH302

A horizontally mounted acrylic tube having a graduated scale (0-300cm^3) along one side. A gas tap closes the tube. Pressure gauge is present next to gas tap. By changing the position of rubber stopper, the effective length of the tube can be selected. The scale measures volume and pressure by means of pressure gauge. Boyle's law is investigated by changing position of the stopper. The relation PV=Constant , can be obtained by means of this apparatus at constant temperature.

- ❑ Graduated scale (0 to 300cm^3)
- ❑ Standard Pressure gauge
- ❑ Does not require oil to indicate volume of air
- ❑ No external pump is required

CONTENT:

Price	Code	Description	Qty.
£66.00	SH302	Boyle's law Apparatus	1

SA715

SA745

SA716

SA717

SA746

Inspire Digital Meters

This device is used for measuring voltage and current. The meters are housed in a robust ABS casing. It features a separate voltmeter with a range of 0–19.99V (resolution of 0.01V, accuracy ±2%) and a separate ammeter with a range of 0–9.99A. Moreover a dual meter with a toggle switch to choose between measuring voltage and current is included (voltmeter and ammeter coupled). The device comes with a 9V replaceable battery and 4mm sockets.

❑ Sloping front to allow easy viewing of the display

Price	Code	Description	Qty.
£21.00	SA715	DC Voltmeter (0 - 19.99V)	1
£21.00	SA716	DC Ammeter (0 - 9.99A)	1
£28.00	SA717	DC Voltmeter (0-19.99V) & Ammeter (0-9.99A)	1
£27.00	SA745	DC Milliammeter (0-200mA)	1
£30.00	SA746	Voltmeter (0-25V AC)	1

Application Examples:

Voltage Measurement

For more Information please visit us:
www.inspirephysics.com

Introducing Inspire Power Supplies

A new range of power supplies from Inspire that provides certified safety, unmatched reliability. It meets the requirement of current curriculum.

Common features across the range:

- ❑ Slow--blow fuse protection
- ❑ Stackable with detachable mains leads
- ❑ Safety sockets for use with shrouded safety 4mm plugs standard 4mm plugs can also be used
- ❑ Voltage limiter (selected models)
- ❑ 12-hour soak test on full load by manufacturer
- ❑ Protection from overload
- ❑ ABS endcaps with integrated carry handles
- ❑ Fully compliant and independently tested to EN61010-2010
- ❑ Approved for CE.

Code	Name	Voltage	Stepped/Variable	Current	Voltage	Features
SE1085A	Prime	2-14V AC/DC	Stepped	6A	Yes	Unregulated DC
SE1076A	Variable	1-15V AC/DC	Variable	6A	Yes	Unregulated DC
SE1077A	Electromagnetic	2V AC/DC	Fixed outputs	10A	No	Short circuit tolerant
SE1080A	EHT	0-6kV DC	Variable	2mA	No	Secondary Output 6.3V @2A AC
SE1082A	Signal Generator	1-110kHz	Variable	1A	10V (P-P)	Built-in loud speaker

UNREGULATED DC 2-14V, AC/DC

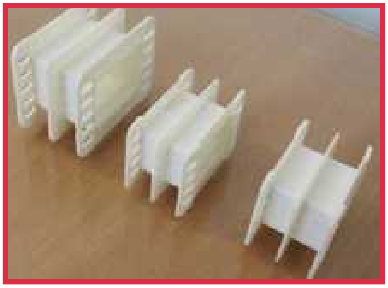
UNREGULATED DC 1-15V, AC/DC

ELECTROMAGNETIC 2V AC/DC, 10A

Easy Carry Handles

Innovative Voltage Lock

Standard Protection Fuse



Split Bobbin Transformer Design

E.H.T. POWER SUPPLY
0-6kV DC

ADVANCED SIGNAL
GENERATOR

KEY FEATURES:

- ❑ Stackable
- ❑ Carry handles
- ❑ Innovative voltage lock
- ❑ Detachable mains lead

For more Information please visit us:
www.inspirephysics.com

Inspire Power Supply 2-14V, AC/DC, 6A SE1085A

This Power Supply is an entry-level model, providing 2–14V output in both AC and full-wave rectified DC, making it suitable for general laboratory and workshop use where a smoothed or rectified output is unnecessary. The voltage limiter is easy to set, and the unit includes dual overload protection. It is equipped with the necessary safeguards for use in educational environments.

- ❑ Output voltage: 2-14V AC/DC in steps of 2V
- ❑ Current output: 6A maximum (combined AC/DC)
- ❑ Robust ProLock™ voltage limiter
- ❑ Stackable with integrated handles and a detachable IEC mains cable
- ❑ Resettable short circuit protection
- ❑ CE certified to BSEN61010
- ❑ Dimensions: 25 x 26 x 13cm
- ❑ Weight: 5.5kg

CONTENT:

Price	Code	Description	Qty.
£75.00	SE1085A	Inspire Power Supply 2-14V, AC/DC, 6A	1

Standard Protection Fuse

For more Information please visit us:

www.inspirephysics.com

Inspire Power Supply 1-15V, AC/DC, 6A SE1076A

This Variable Power Supply is ideal for experiments involving voltage-sensitive components that could be damaged by over-voltage, requiring precise power adjustments. It provides a 1–15V AC/DC output, with rectified DC. This power supply has features of locking the knob, that allow users to set a maximum voltage limit. Dual overload protection is ensured by an internal fuse and a resettable electronic trip.

- ❑ Full wave rectified DC output (unsmoothed & unregulated)
- ❑ Output : 1-15V variable AC/DC, 6A maximum current (combined AC/DC)
- ❑ Full wave rectified DC output (unsmoothed & unregulated)
- ❑ Stackable with integrated ABS handles and a detachable IEC mains cable
- ❑ CE certified to BSEN61010
- ❑ Dimensions: 37 x 26 x 13cm
- ❑ Weight: 7.2kg

CONTENT:

Price	Code	Description	Qty.
£209.00	SE1076A	Inspire Power Supply 1-15V, AC/DC, 6A	1

Standard Protection Fuse

For more Information please visit us:
www.inspirephysics.com

Inspire EHT Power Supply 0-6kV, 2mA and 50µA SE1080A

The EHT Power Supply is ideal for powering most high-vacuum tubes, conducting electrostatic experiments, and operating spectrum tubes. The primary output provides 0–6kV continuously variable DC with a current limit of 2mA. It also includes a secondary EHT output of 50µA and a fixed 6.3V AC output for use with specific high-vacuum tubes.

- ❑ Output voltage 1: 6.3V AC, 2A
- ❑ Output voltage 2: 0-6kV DC, 2mA & 50µA
- ❑ Digital LED display for output voltage 2
- ❑ Resettable short circuit protection
- ❑ Separate earthing socket provided
- ❑ Stackable with integrated ABS handles and a detachable IEC mains cable
- ❑ Fully CE certified to BSEN61010
- ❑ Dimensions: 37 x 26 x 13cm
- ❑ Weight: 6kg

CONTENT:

Price	Code	Description	Qty.
£254.00	SE1080A	Inspire EHT Power Supply 0-6kV, 2mA and 50µA	1

KEY FEATURES:

- ❑ Stackable
- ❑ Carry handles
- ❑ Innovative voltage lock
- ❑ Detachable mains lead

For more Information please visit us:
www.inspirephysics.com

SE1023A

SW312

Van De Graaff Generator with Accessories SE1023

Indosaw Van De Graaff generator uses a motor to drive a belt over roller and a hollow metal sphere to produce a continuous source of high voltage. The motor operates on 230V AC, supplied through a fused input socket. A 4mm socket terminal is provided for grounding the discharge sphere, along with an additional 4mm terminal on the main dome for attaching accessories.

- ❑ High voltage output up to 300 kV.
- ❑ Reliable motorized belt system for consistent performance.
- ❑ Transparent components for observing charge generation.
- ❑ Compatible with various electrostatics accessories.
- ❑ Easy maintenance with accessible belt and rollers.
- ❑ Demonstrates charge distribution and electrostatic forces.
- ❑ Durable design for classroom and laboratory use.

CONTENT:

Price	Code	Description	Qty.
£174.00	SE1023A	Van De Graaff Generator	1
£34.00	SW312	Faraday's Pail	1
		Perspex Cylinder with cover	1
		Electric Wheel with Needle	1
		Perspex Pillar with Pith Ball	1
		Point Discharge	1
		Neon Bulb	1
		Thread Discharge Holder	1
		SIlk Yarn Rolled	1

CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

IGCSE Level:

- ❑ Hair-Raising Demonstration .
- ❑ Repelling Objects
- ❑ Electrostatic Induction

A-Level:

- ❑ Spark Demonstration
- ❑ Force on Charged Objects
- ❑ Charge Distribution
- ❑ Electric Field Mapping

Inspire Advanced Signal Generator SE1082A

It is an advanced Signal Generator and amplifier designed for use in schools. This unit offers both high and low impedance outputs, making it suitable for driving vibration generators and loudspeakers. An internal speaker is also included for demonstrating the human hearing range. Additionally, it features an auxiliary input for amplifying external signals, allowing it to amplify MP3/iPod music signals in conjunction with the Rubens Tube. A headphone socket and a 4mm adapter are provided to transfer MP3 signals into the Signal Generator. For use in the Waves required practical for both IGCSE and A-Level, other compatible items are available, including the vibration generator and its accessories.

- ❑ Waveforms: sine, square or triangular. Square wave rise time 1μs approx. Sinewave distortion 1% on all ranges
- ❑ Output voltage: 10V peak to peak
- ❑ Frequency range: 1 to 110 kHz in 5 decade range
- ❑ Digital LED display
- ❑ Low impedance output x watts: perfect for driving vibration generators or loudspeakers
- ❑ High impedance output: can be attenuated by a factor of 10 or 100
- ❑ Built-in loud speaker (can be turned ON/OFF)
- ❑ Internal short circuit protection
- ❑ Amplitude and frequency modulation options
- ❑ Input signal 2V (peak to peak)
- ❑ Frequency response 1Hz to 100kHz, -3dB

Safety First

Audible output Frequency via built-in speaker

INTERNAL SPEAKER

High Current Output to Drive Vibration Generator Directly, no need for external Amplifier

CONTENT:

Price	Code	Description	Qty.
£199.00	SE1082A	Inspire Advanced Signal Generator	1
		Audio Input Adapter & Leads	1

Application Examples:

Principle of Forced Vibrations and Law of Resonance

For more Information please visit us:
www.inspirephysics.com

inspire®

Vibration Generator with Accessory Kit - SA009B

This setup vividly illustrates wave motion principles as well as mechanical vibrations, including resonance and harmonic motion. It includes various accessories such as springs, rubber cords, Chladni plates, and dippers, and is compatible with Ripple Tanks for versatile demonstrations. Equipped with 4mm input sockets, a shaft for output and a 3-ohm coil impedance. It ensures reliable performance. Easy to set up with included spanners, it is an excellent tool for educational applications.

- ❑ Wide frequency range: 1 Hz to 10 kHz.
- ❑ High peak-to-peak displacement capability.
- ❑ Enclosed coil and magnet for durability.
- ❑ Armature supports item attachment for testing.
- ❑ Usable in clamped or freestanding configurations.

CONTENT:

Price	Code	Description	Qty.
£46.00	SP562	Vibration Generator	1
£26.00	SH535	Spring Big/ White Dull	1
		Chladni Plate	1
		Black Disc	1
		Cord -Thick	1
		Cord – Thin	1
		Spring Strip 70 mm	2
		Spring Strip 84 mm	1
		Spring Strip 105 mm	1
		Wire Loop of 1 m	1
		Tapered Rubber Strip	1
		Tube Acrylic	1
		Plastic Ball 10mm (Red)	10
		Plastic Ball 10mm (Blue)	10
£72.00	SA009B	Vibration Generator Accessory Kit	1

SH535

Additionally Required:
- ❖ Inspire Power Signal Generator (SE1082A)

CURRICULUM RELATED EXPERIMENTS AQA edexcel OCR

IGCSE Level:
- ❑ Investigating Wave Properties
- ❑ Transverse and Longitudinal Waves
- ❑ Energy Transfer in Waves

A-Level:
- ❑ Resonance and Natural Frequency
- ❑ Standing Waves on Strings
- ❑ Damping and Forced Vibrations

For more Information please visit us: www.inspirephysics.com

Frequency Range
from
1 Hz to 250 Hz

Inspire Compact Ripple Tanks (Advanced) SA705I

The ripple tank is the most effective way for students to study waves. The Inspire Ripple Tank contains all the accessories needed to cover the full range of experiments, such as reflection, refraction, diffraction, and interference, with the accessories stored in a handy tray at the top of the unit. There are two models available: Economy and Advanced. With either model, users can change the frequency of both the dippers and the LED strobe lighting.

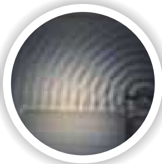
The advanced model also offers a wide range of frequency and amplitude control, as well as a 'Camera Mode' to view images with the help of a camera. For stationary waves, the dipper and strobe frequencies can be synchronized or slightly offset to obtain moving waves. Additionally SA705I offer a standout feature is the Camera Projection Mode, which enables wave patterns to be projected onto a screen for large audience demonstrations, making it perfect for interactive teaching sessions.

- ❑ Wave amplitude control
- ❑ Camera projection mode
- ❑ Expanded frequency range: 1-250Hz
- ❑ User control interface with precise control
- ❑ LED strobe control
- ❑ Standalone benchtop ripple tank
- ❑ Full range of accessories with built-in storage tray
- ❑ Digital display for frequency


Diffraction


Interference


Reflection


Llyod's Mirror

IGCSE Level:

- ❑ Demonstrates the behavior of waves, including reflection and refraction.
- ❑ Visualizes transverse wave motion (ripples on the surface of water).
- ❑ Shows how waves reflect and refract at boundaries.
- ❑ Allows exploration of wave speed and wavelength calculations.
- ❑ Demonstrates constructive and destructive interference patterns.
- ❑ Shows how energy is transferred through different media.

A-Level:

- ❑ Demonstrates principle of superposition in waves, showing interference.
- ❑ Properties of waves (frequency, amplitude, wavelength)
- ❑ Observes the refraction and diffraction of water waves.
- ❑ Physical representation for understanding electromagnetic wave behavior.
- ❑ Demonstrates the formation and behavior of standing waves.
- ❑ Explores how energy is transferred via wave propagation in a medium.

Inspire Compact Ripple Tank	Traditional Ripple Tank
	
❖Compact & Portable Design ❖Easy Setup ❖Built-in LED light Source ❖Built-in Accessories Storage Tray	❖Larger & Bulkier Design ❖More Time Consuming Setup ❖External Light Source Required ❖Accessories storage required.

Inspire Ripple Tank Camera Stand SA730

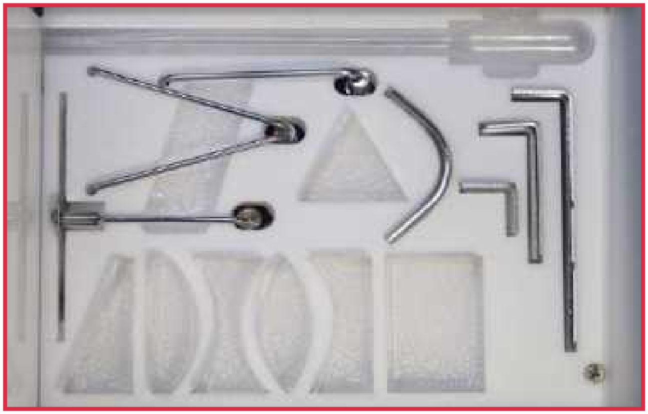
A camera, mounted on a flexible stand, is designed for use with the Advanced Ripple Tank. This setup enables clear viewing of generated waves on a whiteboard or projector, providing a convenient way to observe wave patterns. For optimal performance, be sure to use the 'Camera Mode' on the Inspire Advanced Ripple Tank (SA705I).

CONTENT:

Price	Code	Description	Qty.
£119.00	SA705I	Inspire Compact Ripple Tank (Advanced)	1
£83.00	SA730	Camera with Stand (Optional)	1

SCOPE OF SUPPLY (SA705I):

Code	Description
CK677	1 Advanced Compact Ripple Tank Base Unit (SA705I)
C11756	1 Tank for Water, 1Barrier Spherical, 1Double Convex,
	1 Double Concave, 1 Triangular shape, 1 Rectangular lens,
	1 Plain Convex lens shape, 1Plain Concave lens shape,
	1 Prism, 2 Barrier L Shape Big, 1 Small diffraction barrier,
	1 Single point dipper, 1 Double point dipper,1 Plane bar dipper,
	1 Dropper, 1 Barrier L Shaped big with slot, 1Barrier L Shaped,
	1 Power Adaptor 12V, 2A , UK Plug
SA730	1 Base A shaped, 1 USB Camera, 1 Camera Holder (Optional)



Storage tray with full range of accessories

User control interface with digital frequency display & Membrane Keypad (Advanced Model)

TERMS OF BUSINESS

All Orders Are Accepted And Goods Supplied By Us On The Following Terms And Conditions:

1. Prices
All prices, whether quoted or given in our catalogues or prices lists are ex-works only, and are subject to alteration without notice. We reserve the right to invoice goods at the prices ruling at the time of despatch from our premises.

2. V.A.T
All prices are subject to V.A.T. Ruling at the time of despatch

3.Quantity Rates
Quantity prices only apply to orders for the specific quantity or more . Pack prices apply only to **single or multiple packs.** All small or broken pack Quantities are charged at the higher rate applicable to small quantities .

4.Quotations and Invoices
Quotations are subject to confirmation at the time of the receipt of the order, and we reserve the right to amend any accidental errors/omissions on quotations or invoices. Whenever possible we will hold prices stated on quotations firm for **a period of twenty eight days**.

5. Delivery
No liability whatsoever can be accepted in case of non - delivery or delayed delivery . Deliveries offered ex stock are subject to the goods being unsold at the date of the receipt of the customer's order.

6. Responsibility
No condition is made or to be implied, nor is any warranty given or to be implied as to the life or wear of the goods supplied, or they will be suitable for any particular purpose or for use under any specifications. Users are advised to test and examine goods and / or to exercise special care in cases where the use and / or storage of the goods involve danger to persons and / or property

7. Amendments to or Cancellation of orders
Sympathetic consideration will be given to all requests for amendments to, or cancellation of orders, or to requests for credit against goods returned. However, such amendments, cancellations or returns must be by prior agreement by us and we reserve the right to make a handling charge if necessary.

9. Trade Descriptions Act 1968
All descriptions, illustrations etc. are intended to convey a general description of the goods offered. However , due to our policy to improve goods whenever possible, specifications are subject to alterations without notice , and we accept no responsibility for any loss caused by such alterations having been made , provided the product is of comparable quality.

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Prices are strictly nett for prompt 30 - day payment and no deduction can be allowed . Thereafter the Seller shall be entitled to recover is on any unpaid amounts at 8 % above the base rate of the ICICI, UK ruling at the date the purchase price is due . Goods the remain property of the Seller until payment in full is received . Either a remittance or two approved trade references and a Bankers ' reference accompany orders from customers who have no previous account.

11. Carriage
Unless otherwise agreed and stated in writing in respect of individual transactions , the Company reserves the right to make a charge for carriage, irrespective of the mode of delivery , on orders to the value of £50 or under . When a carriage charge is made , it will be shown on the invoice.

12. Damage and / or Loss in Transit .
No responsibility is accepted for breakage or loss in transit when goods are forwarded by carriers . The carriers concerned and ourselves be advised of all breakages in writing three days of the receipt of the goods and any packing material must be retained with the goods for inspection by the carrier and / or ourselves .
In the event of non - delivery both the carriers and ourselves must be notified in writing within fourteen days of date of advice or despatch . When consignments are forwarded by our own transport , no responsibility for breakage is accepted unless we are advised in writing within three days or receipt of goods .

13. Shortage or Errors
No damage can be entertained unless we are notified in writing within three days of receipt of goods

14. Title to Goods
The goods remain the property of Inspire Physics Ltd. until payment of the appropriate invoice has been received.
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inspire®

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WAREHOUSE

Photo of our warehouse located at Capital Business Park

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INSPIRE PHYSICS LTD.
Unit A7 Britannia Mill, Rossendale, Lancashire, BB4 8AX, UK

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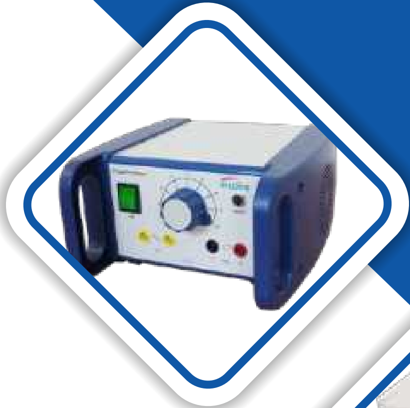

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(For UK & European Customers)

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