EDUCATION

RS are here inspiring & supporting the future generation of engineers around the world. Unrivalled product choice, exciting innovations and powerful online tools.

Contents

Terms & Conditions

Solutions for the Education industry.

RS Components offers a large number of resources for students and educators in the STEM sector, including the latest innovative products & technologies, convenient purchasing options and learning tools to support your classes and curriculum.

RS are here to help you keep up with the pace of developments and face the future of the industry.

And we know you have better things to do than worry about your order being safe and compliant. No matter where you are, we ensure your products get delivered as efficiently and carefully as possible.

Leave the how to us.

Common Industry Requirements

We believe that across the education sector there are some common challenges and requirements that RS can help support and address:

Broad Product Range & Solutions
You need a wide range of product solutions & delivered fast.

Solution: RS Components stock over 600,000 products from 2,500 suppliers with 60,000 product stocked locally for next day delivery.* You will find everything you need from site maintenance to labatory equipment.

Purchasing Efficiency
You need easy purchasing systems & access to product information.

Solution: Our procurement solutions provide a best in class eCommerce experience. Get 24/7 access to our technical data at a product level on our website.

Innovation
You need new ideas & inspiration.

Solution: We provide access to the latest technologies. Our team can help your find innovative product solutions for your evolving needs.

Employability of Students
You need ways to support the engineers of the future.

Solution: DesignSpark is a great place for students to build their technical portfolio. Join a huge community of students & academics, with possibilities of connecting with prospective employers. Project ideas & technical content plus free specialist software. All the tools are free to download, activate & use.

Committed to you.

We understand the important role our solutions and products play in helping you achieve your goals, that's why your dedicated account manager is here to support throughout your journey with RS.

Brands you know and trust.

RS Components is your one stop distributor for electrical, industrial, automation & control gear, electronics, test & measurement, safety and more - with over 600,000 products from more than 2,500 leading global suppliers including RS PRO, Fluke, TE Connectivity, Phoenix Contact, Schneider, Siemens, ABB, Omron, Harting and more.

Best in class eCommerce experience

For a more efficient process for your industrial and electronics product procurement, we have a service to fit your business requirements. From web-based and mobile ordering through to integrated procurement solutions. Ask us about our **Purchasing Manager, PunchOut, eInvoicing & eOrdering** solutions today.

Fast, flexible delivery options.

From same day to next working day to call off and consolidated delivery, we've a range of flexible delivery options to suit you. Free delivery available.*

Our knowledge is your power.

When you need specialist advice, think of our technical experts as part of your team. They're poised with extensive knowledge of our products and specifications to help you make the best choice.

We offer easy access to product support resources online or by phone. Speak to a live chat member on our website for help in finding products or other technical information. Or take a look at our technical data sheets which are available at product level. This can help save time, allowing you access to technical information 24/7.

DesignSpark

RS offers FREE access to its DesignSpark suite of specialist software design tools and community. This now includes 3D mechanical design, Electrical design and PCB design. All the tools are free to download, activate and use. Sign up now at www.designspark.com

DESIGNSPARK

nz.rs-online.com/services

3

Our Product Range

Over 600K products, more than 2,500 brands.

We offer a broad and extensive product range to support our industrial and electronics customers with 600,000+ stocked products, from over 2,500 suppliers – including our own brand, RS PRO.

Electronics Components, Power & Connectors

BATTERIES & CHARGERS

CONNECTORS

DISPLAYS & OPTOELECTRONICS

PASSIVE COMPONENTS

PCB PROTOTYPING

POWER SUPPLIES & TRANSFORMERS

RASPBERRY PI, ARDUINO & DEVELOPMENT TOOLS

SEMICONDUCTORS

Electrical, Automation & Cables

AUTOMATION & CONTROL GEAR

CABLES & WIRES

ENCLOSURES, STORAGE & MATERIAL HANDLING

FUSES, SOCKETS & CIRCUIT BREAKERS

HVAC, FANS & THERMAL MANAGEMENT

LIGHTING

RELAYS

ROBOTS & ROBOT PARTS

SWITCHES

Mechanical Products & Tools

ACCESS, STORAGE & MATERIAL HANDLING

ADHESIVES, SEALANTS & TAPES

ENGINEERING MATERIALS & INDUSTRIAL

HARDWARE

FASTENERS & FIXINGS

HAND TOOLS

PLUMBING & PIPELINE

PNEUMATICS, HYDRAULICS & POWER

TRANSMISSION

POWER TOOLS, SOLDERING & WELDING

IT, Test & Safety Equipment

COMPUTING & PERIPHERALS

FACILITIES CLEANING & MAINTENANCE

OFFICE SUPPLIES

PERSONAL PROTECTIVE EQUIPMENT & WORKWEAR

SECURITY & IRONMONGERY

SITE SAFETY

TEST & MEASUREMENT

DESIGNSPARK

Free, easy to learn and use professional CAD software

www.designspark.com

Our award winning software is absolutely free to download and use, and always will be. Whether you are a professional engineer, hobbyist or a maker, our range of CAD tools are the perfect addition to your design arsenal. Backed up by a huge library of CAD models, the interactive BOM interface saves you time and money when designing and costing your project.

For a quick overview and to fnd out more about DesignSpark, visit whatisdesignspark.com

DS Mechanical

DesignSpark Mechanical is the first free and fully-functional 3D design package to feature intuitive Direct Modelling techniques and give you access to 100 million existing 3D models. Easy-to-use and easy-to-learn, our unique 3D modelling software shortens the time between having an amazing idea and creating prototype designs.

DS PCB

Take electronics design to a whole new level and join over 250,000 registered DesignSpark PCB users benefitting from powerful features for schematic capture and PCB layout. Professional, accessible and fully-featured, our free and unrestricted PCB design software helps you rapidly prototype so you can make your world-changing ideas a reality.

DS Electrical

DesignSpark Electrical provides a powerful and comprehensive range of professional CAD capabilities, allowing you to complete designs in a fraction of the time and building accuracy and precision into your end-to-end design process.

DS Toolbox

NEW now available for android

There's a great set of useful 'tools' in the Toolbox App. Including the ability to scan RS Barcodes and order directly from within the App, electronic design calculators, lookup tables and get regular news updates and more. So try the Toolbox App now for iOS, Android and Windows desktop devices.

GET IT ON Google Play

Download on the App Store

Plus more resources for

Grass Roots Education

Discover a collection of materials to help students and professionals alike.

Inspiring, nurturing and empowering the next generations of socially and environmentally responsible engineers.

- **Student Innovation**
  Discover the latest student projects and articles

- **Learning and skills**
  Develop Tech and Super Skills

- **Opportunities**
  Get involved with the Grass Roots Community

- **Your global student engineering community**
  Discover student engineering groups around the world and put your team on the map

brought to you by

> **We are incredibly excited about the partnership with EWB as it will allow us to make an impact with the engineers of tomorrow whilst also increasing our engagement with the Aboriginal & Torres Strait Islander community. The EWB partnership is a significant step in our commitment as a business to create long standing ties with this community.**
>
> - Scott Phillbrook,
> Managing Director of RS Components ANZ

Our ESG aspiration at RS Components is to make amazing happen by inspiring a more sustainable world through education and innovative solutions that improve lives

RS Components (RS) are proud to announce their partnership with Engineers Without Borders (EWB), and their School Outreach program designed to inspire students from diverse backgrounds to create a better world through engineering.

The EWB and RS partnership aims to not only inspire STEM, but strengthen relationships with First Nations communities, as well as contribute to initiatives that increase cultural understanding, the access of First Nations Australians to appropriate technology, and strengthen their career opportunities within the engineering sector.

EWB began in Melbourne in 2003 with a small group of engineers dedicated to harnessing the potential of engineering to create an equitable reality for the planet and its people. Today, the EWB community includes thousands of people and dozens of organisations working together to engineer a better world.

Over the past year, the EWB Outreach program organised 193 university undergraduate volunteers from the likes of RMIT, Sydney University and Monash to facilitate 266 workshops, inspiring more than 6000 students at 88 schools across the six states and territories in STEM and engineering.

Our Commitment

RS Components, as part of parent company Electrocomponents plc, has a strong company commitment to ESG globally. Their recent partnership with the Washing Machine Project is supported locally through the ANZ region and this new agreement with EWB aims to build on this charitable commitment within the Australian community. As well as a financial commitment to continue these remarkable programs EWB run, through the RS paid volunteer leave program, the company aims to actively involve their wider team in these community and life changing 'regioneering' trips.

Find out more ❯

nz.rs-online.com/ewb

RMIT ELECTRIC RACING

RS Components proud supporters of the RMIT Electric racing team in the legendary Formula SAE competition.

Originally started by the Society of Automotive Engineers student branch at the University of Texas, Austin, in 1980, the Formula SAE competition now sees over 500 teams from universities worldwide, design, build and compete in their own Formula-style open-wheeled race car. The vehicles are judged on dynamics, design justifications, costing strategies and business presentation and apply rigorous STEM concepts to the build and design process.

Today the team counts over 50 passionate students across a dozen faculties who demonstrate innovative thinking, initiative and commitment to the real-life commercial project. And it's little wonder the Formula SAE graduates are often headhunted for their unique combination of technical skills, strong communication abilities and project management skills.

Reinforcing our drive to support future engineers, RS are proud sponsors of the RMIT Electric Racing Team and are continually supporting their engineering efforts.

"It is thanks to our sponsors like RS Components' investment and support that we are able to advance the research and development of the team, develop cutting-edge vehicles, and produce high-quality graduates from year to year. Our partnership with RS demonstrates their active participation in the community and engagement with the next generation workforce allowing students to develop skills they may otherwise not learn at a university level."

We are proud to support the next generation of innovators with the quality products RS Components has to offer. The team and I at RS wish these bright minds the best of luck in this year's race.

Find out more ➤

nz.rs-online.com/rmit

RS

More Products, More Value

Our RS PRO range keeps growing to bring you even more choice in great value, quality products, available next day.

The RS PRO Seal of Approval
a Sure Sign of Quality

AUDITED
In compliance with industry standards

INSPECTED
By leading engineers

TESTED
For guaranteed quality and performance

QUALITY
We rigorously test every part against demanding industry standards.

VALUE
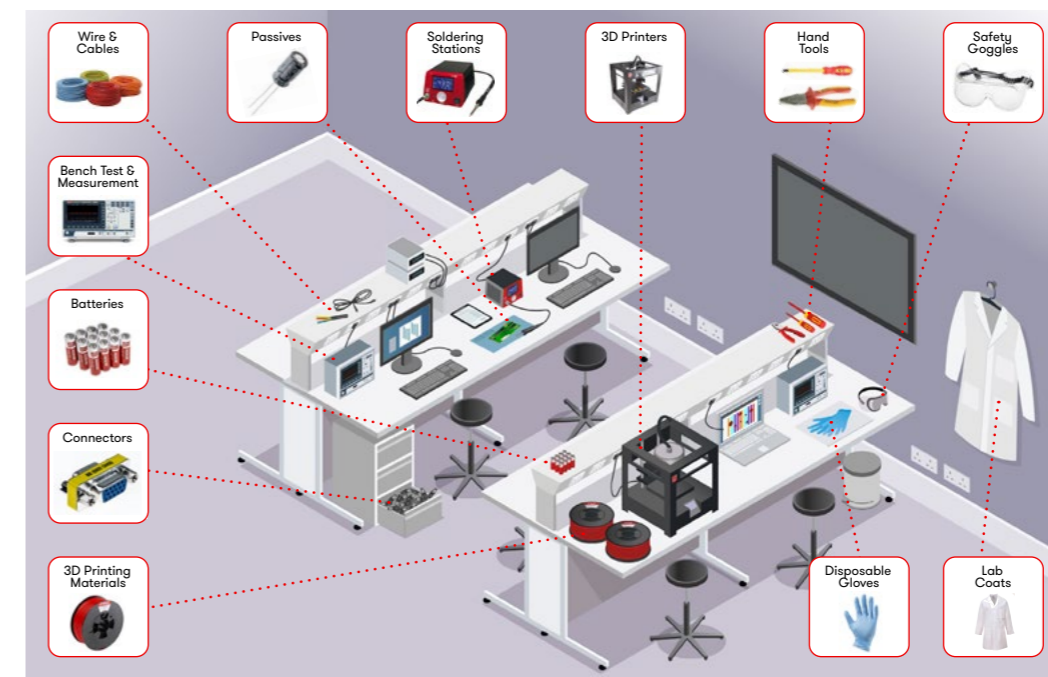We price our products competitively.

CHOICE
We continuously expand our range.

RS PRO is the own brand of RS Components and offers the Education Sector a wide range of proven quality, great value products that can be trusted.

Only when products have been through this process are they awarded our seal of approval, quality that can be trusted.
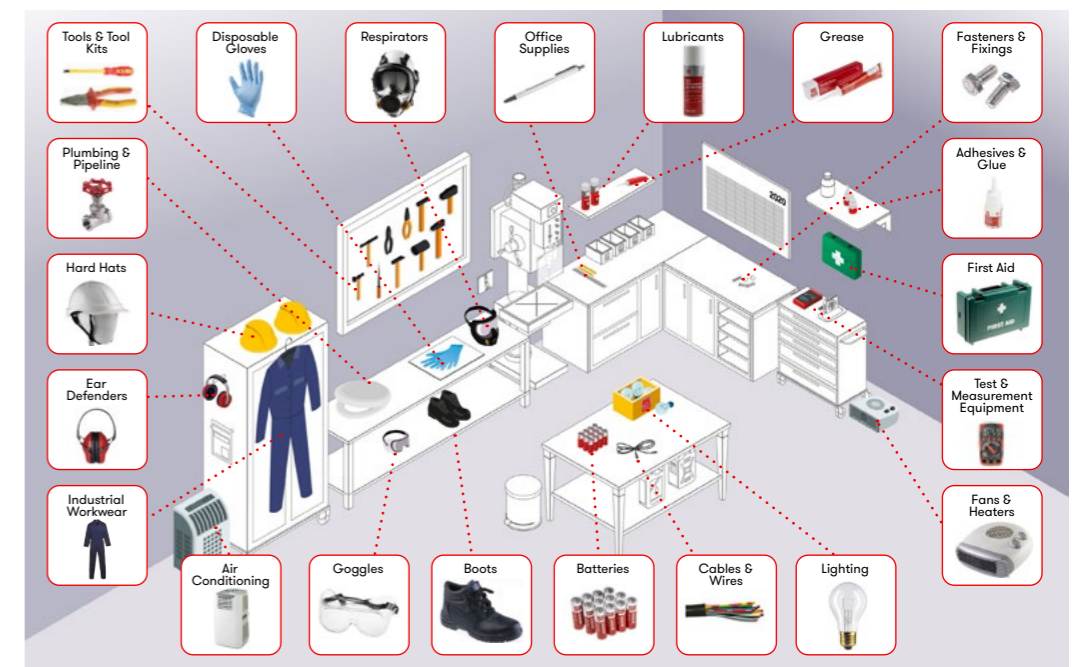
Confidence in this process is reflected in our enhanced product warranties, proof that our products will consistently deliver the performance you expect for a long time to come.
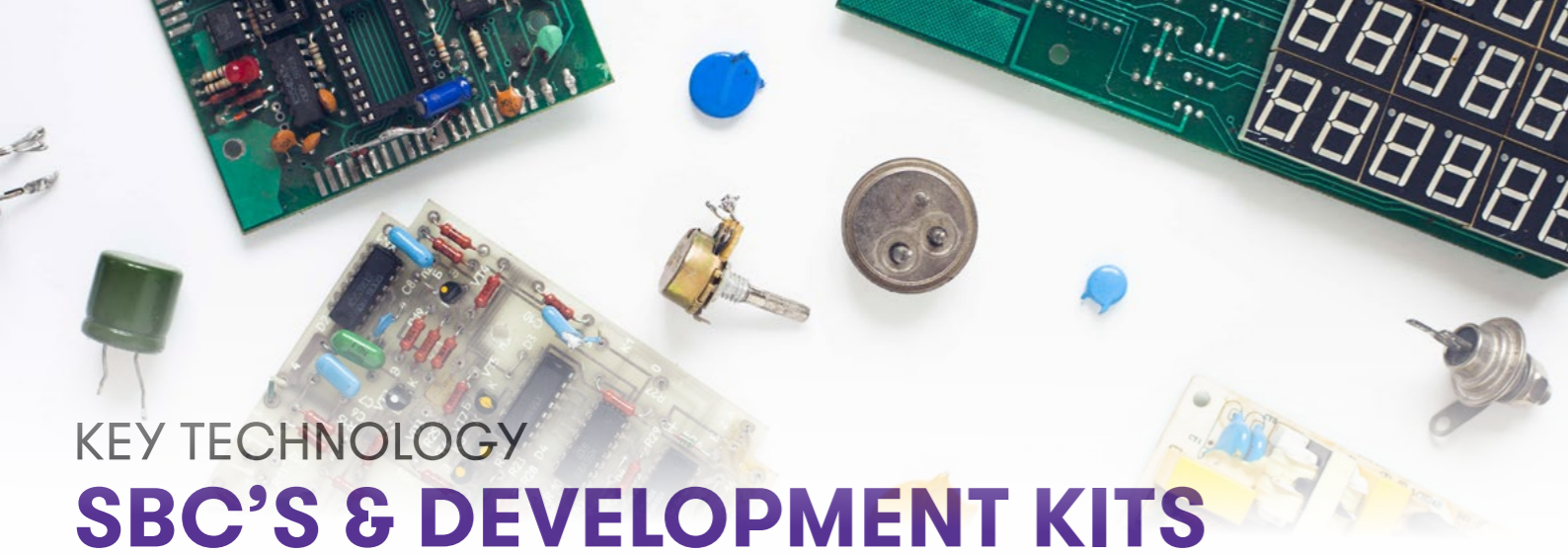
The range you need in the education sector

LABORATORY

Wire & Cables · Passives · Soldering Stations · 3D Printers · Hand Tools · Safety Goggles · Bench Test & Measurement · Batteries · Connectors · 3D Printing Materials · Disposable Gloves · Lab Coats

BUILDING, FACILITIES & MAINTENANCE

Tools & Tool Kits · Disposable Gloves · Respirators · Office Supplies · Lubricants · Grease · Fasteners & Fixings · Plumbing & Pipeline · Adhesives & Glue · Hard Hats · First Aid · Ear Defenders · Test & Measurement Equipment · Industrial Workwear · Fans & Heaters · Air Conditioning · Goggles · Boots · Batteries · Cables & Wires · Lighting

Visit **rspro.com** to discover the complete range.

SBC'S & DEVELOPMENT KITS

Huge range of development boards, from affordable microcontroller boards & entry-level development kits to more hands-on sensor & robotic technology. We partner with some of the best & exciting brands to bring you the latest innovative technology for your project.

Arduino Starter Kit with UNO board

- Primarily an educational tool for newcomers to Arduino and electronics, the starter kits are also suitable for the experienced designer.
- The Arduino Starter Kits use the Arduino Uno as a main board, with the board featuring an AVR ATmega 328 microcontroller

761-7355   K000007

Coral Google 1gb Development Board

- The Google Coral development board is a single-board computer that's ideal for fast machine learning (ML) inferencing in a small form factor
- It provides a fully-integrated system, including NXP's iMX 8M system-on-chip (SoC), eMMC memory, LPDDR4 RAM, Wi-Fi, and Bluetooth

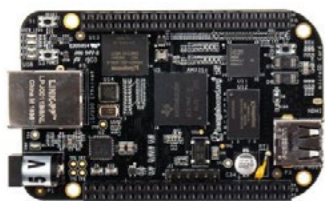**201-7819**   G950-04742-01

micro:bit drone

- The MakeKits Air:bit is a Quad-Copter making project
- This board can be coded with java script, python, make code blocks or even a readymade program. The drone can be made to fly using a motion sensor on smartphone, a tablet or even a new micro:bit

222-9372   AIR:BIT 1.0 SINGLE

BeagleBone Black Rev C SBC

- The BeagleBone Black from beagleboard.org is a development board based on the AM335× Arm Cortex-A8 processor
- This BeagleBone board is a single board computer (SBC) which can be used as a stand-alone computer or it can be embedded into a system

125-2411   BEAGLEBONE BLACK

Microchip LoRa Mote RN2483 LoRa Development Board

- The Microchip RN2483 LoRa® Mote is a LoRaWAN™ Class A end-device based on the RN2483 LoRa® modem module
- The LoRa®Mote is battery powered, providing a portable tool to demonstrate the excellent long-range capabilities of the RN2483. The interoperability with LoRaWANv1.0 compliant gateways and infrastructure can also be verified

912-5363   DM164138

DuckieTown Invention Kit Duckiebot Founder Edition

- The DuckieTown founder's edition is a do-it-yourself hardware for assembling a model self-driving car
- It is available in 4 variants, defined by the presence of the computational unit and battery. It is designed to operate in a DuckieTown urban environment

214-2942   DUCKIEBOT MOOC FOUNDER'S EDITION KIT

OKdo Raspberry Pi 4 4GB Model B Starter Kit

- This exclusive 8-piece Raspberry Pi 4 starter kit from OKdo includes everything you need (it really does) to get going in the world of Raspberry Pi– from all the hardware in a single box, to access to an online step-by-step guide as well as projects to get up and running faster than ever, effortlessly
- Each kit contains the best performing Raspberry Pi 4 Model B board along with a power supply, 2 X micro HDMI cables for dual display, SD Card Reader and a 32GB micro SD card with NOOBS operating system preloaded. As well as 3 × heat sinks and a unique aluminium case with inbuilt fan for better thermal management to address a known issue with the Pi 4
- With all of the most current components on the market included in this Raspberry Pi 4 kit, it's perfect for anyone interested in electronics at any level of experience

202-0644   PI-4GB-STARTERKIT

Imagination Technologies Creator Ci40 IoT SBC Development Kit

- The Creator Ci40 board from Imagination Technologies is a high-performance, low-power microcomputer optimised for IoT applications
- The Creator Ci40 is compatible with a wide range of GNU/Linux OS distributions, including OpenWrt, Debian and Brillo – the IoT-optimised operating system from Google

125-3307   VL-62899

Arduino, Nano 33 IOT Module with headers

- This small, robust and powerful board has WiFi and Bluetooth connectivity that combined with its low power architecture makes it a practical and cost effective solution for your connected projects

192-7589   ABX00032

Kitronik ARCADE for MakeCode Arcade

- The MakeCode Arcade editor has been designed to allow everyone, from beginners to experienced game enthusiasts, to create retro arcade games to run in the browser or on handheld consoles
- It consists of drag and drop blocks that snap together to form programs

204-8229   5311

Intel Neural Compute Stick 2 (NCS2) Development Kit

- The Neural Compute Stick 2 (NCS2) is a USB stick which offers you access to neural network functionality, without the need for large, expensive hardware. It enables you to incorporate computer vision and artificial intelligence (AI) to your IoT and edge devices

181-1851   NCSM2485.DK

MeArm Maker Kit Robot Arm, Intermediate

- The Just MeArm Kit from Mime Industries is a desktop robot arm which you can build with a screwdriver and then control with your choice of controller board. You can control the MeArm using the an Arduino board, Beaglebone, Raspberry Pi and many others

134-0414   MEARM MAKER KIT

Tinkerkit Braccio Arduino Robotic Arm

- The TinkerKit Braccio is a fully operational robotic arm, controlled using an Arduino Board. Designed for desktop use and is supplied in kit form so you can assemble it to your own requirements.

111-3738   T050000

KEY TECHNOLOGY
TEST & MEASUREMENT

We have a wide range of Test & Measurement products including multimeters, oscilloscopes, signal generators, thermal imagers and all the leads, probes and connectors required for your lab.

RS PRO | FLUKE® | Megger. | TELEDYNE FLIR Everywhereyoulook™ | KEYSIGHT TECHNOLOGIES | Tektronix

IR Thermometer & Socket

- Pocket-sized, easy-to-use pistol grip infrared thermometer (sometimes called laser thermometers or non-contact thermometers)
- It enables surface temperature measurement by Infrared non-contact or by using a plug-in type-K thermocouple probe.

123-2217   -35 °C to +500 °C

Non-Contact Tachometer

- This RS PRO non-contact tachometer has been designed with a durable and robust housing for use in challenging environments while offering an intuitive and easy to use interface for optimum ease of use

193-8687   ±0.05 % - Non Contact

RS PRO Compact Multimeter Autoranging

- The RS PRO RS14 digital multimeter (DMM) is a handheld tool which can measure capacitance, voltage, electrical current and resistance with diode and continuity check
- The multimeter is also CAT III rated for 600V

123-1938   2000 count LCD display

Mitutoyo 293-831-30 External Micrometer

- Resolution of 0.001mm
- Accuracy of ±2µm
- Battery operated

833-6445   0 mm →25 mm   293-831-30

8 Channel Thermocouple Temp Data Logger

- High resolution and accuracy
- Expandable up to 20 units/160 channels
- Supports all the popular thermocouple types

492-5105   B, E, J, K, N, R, S, T   TC-08

FLIR ONE PRO for Android USB-C

- Pixel size 12um (con), 8-14um spectal range
- Higher Resolution Thermal Sensor
- Advanced Diagnostics
- One-Touch Reporting

136-8285   -20 → +400 °C   435-0007-03

Fluke 117 Digital Multimeter

- The Fluke 117 compact True RMS multimeter is popular for use in demanding settings such as commercial buildings, hospitals and schools. It includes integrated non-contact voltage detection to help get the job done faster

616-1460   CAT III 600 V   FLUKE 117 EUR

FC WIRELESS K-TYPE TEMPERATURE MODULE

- Spot temperature differences between three phases in 1/3 the time of previous methods
- Send data to your laptop and go from logging to analysis and diagnosis

811-1350   +1372°C   FLK-T3000 FC

RS PRO Bench Power Supply

- The RS PRO RS3005D digital control DC power supply is a user-friendly, compact & lightweight designed power supply unit with a simple to read 4 digit display of the voltage and current values and features an output voltage range of 0-30V and an output current range of 0-5A

175-7368   150W

RS PRO Handheld Capacitance Meter

- RS Pro DM-9023 LCR meter is a great value handheld capacitance meter which features an 18 mm high 2000-count LCD display.
- Ability to check tolerance, sort values, select precision values, unmarked capacitors measurement and switch or PCB layout capacitance

123-8770   20mF

RS PRO IVP-1 Non Contact Voltage Detector

- The IVP-1 Volt Stick is a pen style non-contact voltage detector from our high quality RS PRO brand
- Able to safely check the presence of an AC voltage within cables, wall sockets and fuses junction boxes, conveniently no current flow is needed for operation

123-3247   100V ac to 1000V ac

Fluke T5 Multifunction Tester

- Automatically measures volts ac and volts dc with precise digital resolution
- Displays resistance to 1000 Ω
- Easy and accurate Open Jaw current measurement

292-1230   CAT III, CAT IV   FLUKE T5-1000

PC Based Oscilloscope Starter Kit

- The Red Pitaya STEMLab 125-14 PC based 40MHz oscilloscope starter kit consists of various Red Pitaya hardware
- It has 2 analogue channels and 14bit input/output channels for highly accurate measurement results in a professional environment

127-1086   40MHz, 2 Channels   28

Insulated Crocodile Clip, 2mm Socket

- Rated voltage 30 VAC/ 60 VDC
- Rated Current 8A
- CAT I
- 4mm maximum clamp diameter
- 2mm spring loaded socket

787-2405   MA 1 CAT I Miniature   930317802

RS Calibration Solutions

Services to help you with accuracy & assurance

Have total confidence in your measurements with a calibration service you can count on.

Re-calibration service - You can request recalibration of your own products

Confidence that your instruments are operating correctly and within the manufacturer's specifications.

You can buy new, calibrated ready to use equipment

ISO9001:2015 Standard or NATA-accredited laboratory

Fast turnaround and delivery

nz.rs-online.com/calibration

Find out more

RS PRO Force Gauge

- Range of 20 kg
- Dimensions of 215 mm (L) x 90 mm (W) x 45 mm (D)
- 1.5 V battery type
- Operating temperature range of 0°C to +50°C

111-3690   USB, Range: 196N

LDPE Wash Bottle

- Lightweight and durable LDPE (low-density polyethylene) design
- Unique 2-way valve that allows vapour from pressure build-up to escape without letting air into the liquid
- An accurate and continuous stream

838-6383   500ml

Brannan Immersion Glass Thermometer

- The new laboratory thermometer uses LO-tox™, an organic filling specifically chosen to achieve a wide temperature span and provide the lowest practical levels of hazard

798-9115   +50 °C max   44/800/8

RS PRO Ohmmeter

- 3 -1/2 digits, LCD display with maximum reading of 1999 with decimal point and measurement unit
- Accuracy ± (0.3% of reading + 1 digit)
- Open-terminal voltage 1.0 V maximum
- Overload indication 'OL'

124-0940   0.1 mΩ to 20 kΩ

Magnifying Lamp with Integral Base

- Flexible neck moves easily into position
- Handy glass magnifier 115mm/4. 5" (1. 75 × mag)
- 3 dioptre

146-5496   3dioptre

RS PRO PMP Measuring Cylinder

- PMP confers hardness, solidity, low density, transparency and chemical resistance
- Calibrated to ISO 6706 and DIN 12681, class A tolerances
- Steam sterilisation at 121°C does not affect accuracy

891-9987   10ml

Electronic Caliper 150mm

- Clear LCD display
- Stainless Steel construction
- Origin setting
- Switchable On/Off

841-2518   0.0005 in, 0.01 mm

Digital Caliper 150mm

- Step-measurement capable
- Battery life of approximately 3.5 years has been achieved under normal use through the adoption of Mitutoyo's absolute scale
- The slider configuration features an ergonomic, thumb-friendly shape

833-6449   500-181-30

Kern Weighing Scale

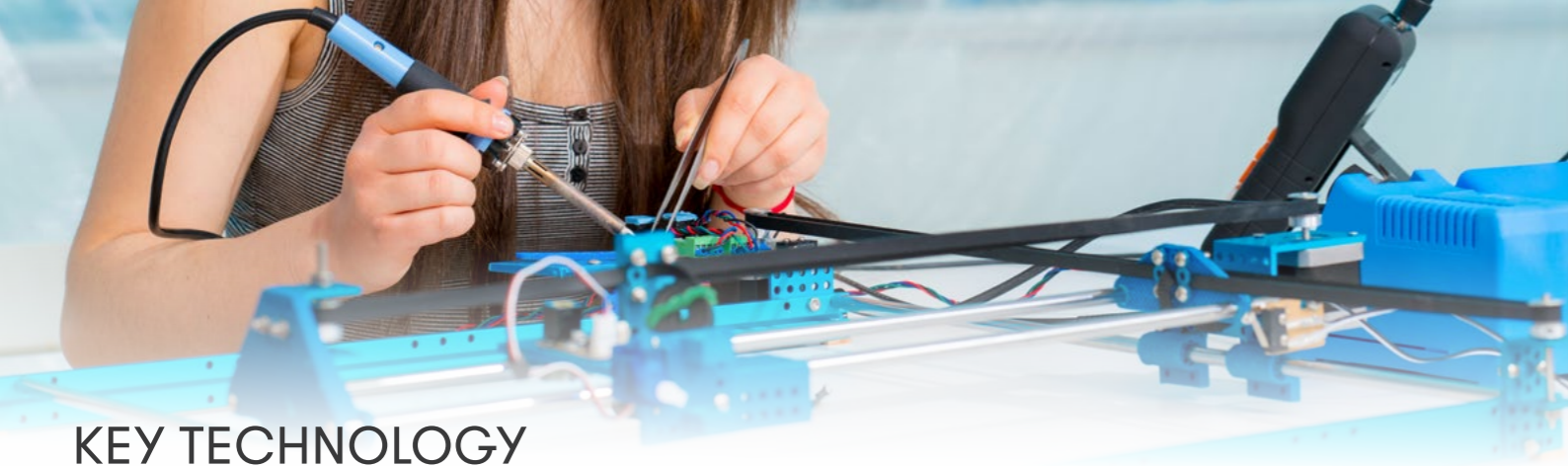- Stainless Steel hook
- AUTO-OFF function
- Strain gauge

789-8898   10Kg   HDB 10K10N

KEY TECHNOLOGY
WORKBENCH ESSENTIALS

We have all the tools you need to build a better tomorrow. Get your next project started with these top sellers!

Hakko FX-888D Soldering Station

- ESD safe
- Small footprint
- Simple and easy operation
- Ceramic heating element
- Ironholder with full of functions
- Digital display

780-4852 70W, 230V   FX-888D

Wera 9 pieces Hex Key Set

- Metric high torque key set
- Transfers up to 20% more torque
- Two component clip for storage

638-8312 L Shape 1.5mm   22720
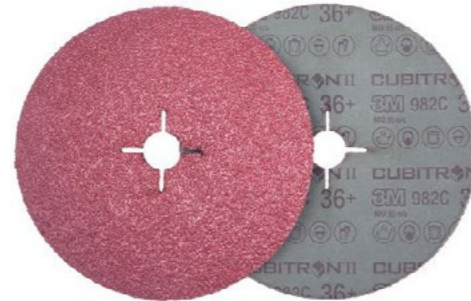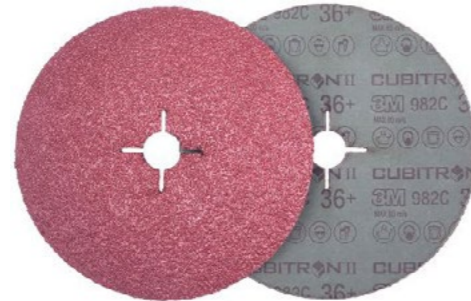
RS PRO Bench Grinder Stand

- Economical way to grind drills
- Capacity 1/8 - 3/4 in. drill bits
- Can be used with any bench grinder 6 in. or over

389-0777 1/8 to 3/4 Inch

3M Cubitron™ II Ceramic Sanding Disc

- 3M Precision Shaped Grain technology cuts exceptionally fast with less pressure, outperforming all conventional ceramic industrial abrasive discs
- Lasts up to twice as long as conventional discs

910-7908 125mm   3M 982C DIAM 125, 36+

Makita BDA Keyless 18V Cordless Drill Driver

- Li-ion LXT battery system
- Rotation, hammering and combined modes of operation
- Keyless chuck operation
- High comfort grips

812-9922 18V   DDA351Z

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5 way Control Cabinet Key

- Four position arm tool, offering five differing drive possibilities
- This universal cross key is made of alloy with excellent workmanship and durability
- Key holes with square, triangle and circle shapes suitable for many especially radiators and electric control cabinet

439-3025 Zinc Alloy

Knipex 135 mm Wire Stripper

- Innovative, ergonomic pistol grip design for easy cutting, stripping and longitudinal cut of the sheath
- Conical, slimmed down tool ends for better access in confined areas

124-5812 0.2mm to 4mm   16 95 01 SB

RS PRO 114 mm Electronic Cutters

- ESD safe – black coated handle prevents electrostatic discharge
- Suitable for SMD and leads.
- Facilitates optimum access

864-0772 ESD safe

RS PRO 140 mm Stainless Steel Fine Tweezers

- 140 mm in length
- Stainless Steel
- Fine point tip
- Anti-Acid
- Anti-Magnetic

136-9851 Stainless Steel

Stanley 200 mm Engineer Square

- Lightweight
- Impact resistant handle with 45° handle for mitres
- Marked in metric on both sides of the blade
- Polished steel blade

665-8289 200 mm   2-46-500

M3 Plain Nylon Tap Washer

- Metric plain sealing washers
- Nylon 6.6, natural
- Provides electrical insulation

525-739 0.8mm

Bahco S-460 46 Piece Socket Set

- Socket set in with dynamic drive profile
- Matt chrome-plated finish
- Material - chrome vanadium
- Plastic case - oil and temperature resistant

358-1265 1/4 in Square Drive   S-460

3m Measuring Tape

- Metric and imperial tape measure
- Positive blade lock for accurate measuring
- Belt clip for convenience
- Cushion grip for both comfort and non-slip

848-7604 3m

Stanley Tylon 5m Tape Measure,

- Compact, bi-material Tylon case for comfort and ease of use
- Metric and Imperial scales for easy, flexible measuring
- Positive blade lock holds the blade in place securely

776-9784 5m   1-30-696

Browse thousands more products online **nz.rs-online.com/education**

KEY TECHNOLOGY
ESD CONTROL, CLEANROOM & PCB PROTOTYPING

We stock a wide selection of PCB types for a range of different electronic work, including all stages of planning, testing and delivery. We also have a broad range of ESD protection which is a vital consideration when working with sensitive electronic components and assemblies.

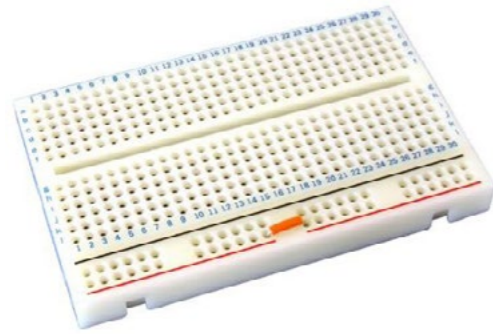### SAD-101 Solderless Breadboard

- A small breadboard convenient for assembly and storage of small circuits.
- The separated red power line is already connected with a jump wire (can be divided)

189-2277   83 × 52 × 9mm   SAD-101

MIKROE-513 10 piece Breadboard Jumper Wire Kit

- Prototyping is made super easy with this range of jumper wires from MicroElektronika. This pack contains 10 jumper wires in an assortment of colours. Jumper wires, often just referred to as jumpers, are wires used on breadboards to create electronic circuits

791-6463   15cm long   MIKROE-513

RE520-HP Copper Stripboard

- Create a simple printed circuit with the copper strips forming the interconnections
- This stripboard can be cut into a smaller board

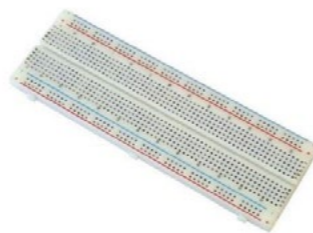**206-5841**   100 × 160 × 1.5mm   RE520-HP

Steel PCB Drill Bit 0.8mm

- HSS miniature twist drill bits for use with PCB drills
- Drills have 2.35mm diameter shank
- Produce clean holes in multi-layer PCB boards

457-651   0.8mm

Kitronik large prototype breadboard

- Components and wires can be placed into the board and the circuit built and tested without soldering
- Multiple boards can be interconnected
- This board has 830 tie points

215-3175   56.5 × 165.5 × 8.5mm   2444

RS PRO ESD Wrap

- Non-static generating "bubble wrap" film
- Offers excellent protection to finished goods
- Ideal for the outer packaging of an already shielded product

356-2315   500mm width

Cleanroom Tacky Mat

- LDPE Floor Mat
- Remove contamination on contact
- Peel to expose a clean surface (30 sheets)

829-5281   1.14m x 460mm x 1.65mm

Natural Bristle PCB and Flux Brush

- Natural bristles
- Birch wood handle
- Easy to use for cleaning and dusting small areas

229-9735   11.6mm Diameter

RS PRO ESD Finger Cots

- Anti-Static, ESD Cleanroom safe.
- Made from Latex.
- Powder free.
- Individual finger protection.

266-2868   Size Medium

Bench ESD-Safe Mat

- Manufactured from rubber
- Supplied with 10 mm stud
- Solder Iron resistant

787-3114   1.2m x 600mm x 2mm   ESDB010005

Weller Xcelite PCB Holder

- Maximum clamping area 160 × 235 mm
- Parts positioned to allow rotation through 360°, can be snapped into place 15° intervals
- Circuit board support by spring force

260-0911   160 × 235mm   T0051502599N

RS PRO 10mm Stud ESD Grounding Wrist Strap & Cord Set

- Premium quality fabric band and cord set
- Fully adjustable wrist strap fits all sizes

287-7379   1.8m Length

KEY TECHNOLOGY
CLASSROOM ESSENTIALS

We have the classroom essentials you need to keep your clasroom going. From audio visual products, stationary supplies, furniture and more! You can find everything you need at RS.

Logitech C270 USB 1.1 3MP Webcam

- HD video calling (1280 × 720 pixels) with recommended system
- Video capture: Up to 1280 × 720 pixels
- Logitech Fluid Crystal Technology

125-4274 1280 × 720   960-001063

Startech 4× USB A Port Hub

- Four USB type-A ports that can be accessed simultaneously
- SuperSpeed USB 3.0 compliant, with data transfer rates up to 5 Gbps

898-8419 USB 3.0   ST4300MINU3B

RS PRO White PTFE Tape

- Made from PTFE (polytetrafluoroethylene)
- Non-adhesive
- Operating temperature range of -190°C to +230°C

183-3490 12m x 12mm x 0.075mm   PTFE TAPE 12MMX12M

Dymo Black on White Label Printer Tape

- Permanent - difficult to remove
- Resists UV exposure
- Water-resistant and most weak solvents

497-432 12 mm Width, 7 m Length   S0720530

Tesa 51408 Orange Masking Tape

- Polyamide is used as backing material
- Temperature resistance is -260°C for 1000 hours or 350°C for 10hours
- Adhesion to steel is 2.8N/cm

436-2778 19mm x 33m   51408-00008-00

RS PRO 12W Plug In Power Supply

- Universal full range AC input
- Interchangeable AC heads
- Level VI Efficiency

124-4716 12V dc

RS PRO Alkaline AA Battery

- Alkaline batteries have a higher amount of energy stored in them, and as the battery is used chemical reactions take place within the battery which generates the power
- These batteries are long life batteries designed to be used once and then discarded

744-2199   AA

RS PRO LR44 Button Battery,

- High capacity
- Wide operational temperature range
- Long storage life
- Long operational life

775-7233   (Pack of 5)

RS PRO Black Nylon Cable Tie

- High quality
- Suitable for a multitude of uses
- Easy to thread
- Black and natural colours available in a range of sizes
- Self-extinguishing to rating UL94V-2
- UL approved nylon 6.6

233-455   100mm x 2.5 mm

RS PRO 10mm Green Cutting Mat

- Size range from A4 to A0
- 3 layer mat over plastic board
- Anti-slide
- Protects and keeps blades sharp
- Metric measuring system

841-7718   L600mm x W450mm

KEY TECHNOLOGY
FACILITIES MAINTENANCE & COVID SAFE CLASSROOMS

Ensure a safe return to campus for Students & Staff with our wide range of facilities cleaning & maintenance range.

RS PRO   **3M**   **Kimberly-Clark PROFESSIONAL**   **Rubbermaid Commercial Products**   **Vikan**

RS PRO PVC Social Distancing Workplace Safety Sign

• Provides clear and precise instructions regarding social distancing and hygiene measures and restrictions

201-3323 400 × 300mm STP501-RS-EN

How to Wash Your Hands Guidance Safety Poster

• Durable, laminated construction
• Highly visible, can be located anywhere
• Large size – 59 × 42 cm

901-1377 420 mm X 590mm

RS PRO White Contactless Door Opener

• Used to easily reduce the surface contact made with touching buttons, opening doors and more ways that can easily transfer germs and bacteria

201-7025 White C005188

Fantech Automatic Steel Hand Dryer

• Automatic IR sensor
• 360° nozzle rotation
• Dries in 15 seconds (approx.)

181-8938 240mm x 212mm x 270mm HHD2500RW

RS PRO Medical Non-Contact Infrared Thermometer

• A handheld device that can detect the body temperature by using a non-contact method of measurement.
• This instrument can also measure surface temperature of objects using the Surface Temperature function and the non-invasive and non-contact method of temperature measurement removes the issue of having to rely on using a physical contact on the person or surface to get a reading from it

201-0210 60°C, +60°C DT-8806

50L Yellow Flip Plastic Waste Bin

• Durable plastic design that's easy to clean and maintain
• Flip lid for easy access
• Lightweight and portable

178-7702 50L RS/VZ.FT.50/Y

RS PRO Free Standing Protective Screen

• Made from acrylic these sneeze guards are lightweight whilst still being protective, sturdy and clear as glass
• Freestanding meaning that they are portable sneeze guards you can move to suit your environment

201-8165 700mm 600mm

AF Wet Screen Wipes for Computer Screens

• Lint free, tear resistant wipes
• Impregnated with efficient cleaning solvent without added alcohol
• Packed in handy tub

313-4459 Box of 100 PCC100

100ml Tube Hand Sanitiser

• hand sanitiser is a clear, colourless cosmetic sanitising hand gel which is alcohol based
• It provides an effective 99.99% antibacterial kill rate and evaporates quickly leaving a dry hand feel

201-9557 1 Box of 55 3147017

RS PRO Black Dust Pan for Dust

• Manufactured out of a high-quality metal this large hooded dust pan is an excellent choice when you have to collect or retain any dirt or debris

912-7693 279 mm wide ISH00003

White Microfibre Mop

• High Level Dusting Pack (includes 1× short extension handle FGQ74500YL00, 1× Flexible Dusting Wand FGQ85200WH00 and 2× Wand Duster Performance Microfiber sleeves FGQ85300WH00)

146-2768 755cm 1940380

PPE

Keep your students safe. We can keep you covered from head to toe with our wide range of products and trusted brands.

RS PRO | Ansell | uvex | pal | Kimberly-Clark PROFESSIONAL | 3M | JSP

EDGE® 48-128 Black Nitrile Coated Work Gloves

- Very light and comfortable
- High level of dexterity and flexibility
- Good level of abrasion and oil resistance
- Dark glove shows dirt contamination less quickly

Ansell

217-4985 48128100

6900 Full Respirator Mask

- Reliable, convenient, compatible respiratory protection
- Helps provide respiratory protection against a wide variety of gases and vapors when used with approved catridges and filters
- Unique center adapter to direct exhaled breath and moisture downward

3M

773-4463 6900

3M White Disposable Coverall

- Splash and Dust Protection Coverall 4510
- Elasticated waist, ankles, and wrists for convenience and freedom of movement
- 2-way zipper with storm flap for convenience and additional protection

3M

773-4466 4510 XL

3M E.A.R Soft Corded Disposable Ear Plugs

- Comfortable Fit
- High Visibility
- Excellent Noise Reduction

3M E-A-R™

774-3962

RS PRO Black Polyethylene Work Gloves

- Protective material covers palm and fingers while still allowing for a good grip
- Perfect for working environments where there is a cut risk

RS PRO

311-1251 | **869-1639** Size 10, 1 Pair

Product Support

We know how important advice and technical support is to our customers. We understand that sometimes you need to ask a question or clarify a dimension, helping you to find the perfect production solution.

That's why we continue to provide product support via our team of qualified engineers, as well as access to product support resources - online, by phone or through our RS Local branches.

Never get stuck again.

Our Customer Service team can help understand your needs, offering product support or directing your enquiry to a qualified engineer

Speak to a live chat member via our website for help in finding products and technical information

Access over 500,000 technical data sheets available at product level, saving you time and giving you 24/7 technical information

DESIGNSPARK

Obtain additional technical data from a range of brands via our Designspark Product Data Library which contains datasheets, 3D models, application notes and more.

📞 **0800 888 780**   🖨 **nz.rs-online.com/services**

Supporting the Education Sector

Here are some great initiatives and innovations we have invested in to support you:

DESIGNSPARK

DesignSpark is powered by engineers from every corner of the globe, bringing engineers from start-up companies with limited funds through to the largest business and students together. As DesignSpark members, engineers have access to:

- **Free Software**
  Suite of design and programming software helps engineers to improve productivity and allows rapid prototyping; this ranges from free professional software to paid-for uprade packages.

- **Comprehensive Libraries**
  Design resources and CAD neutral libraries designed to accelerate design cycle times and speed up engineers' design process.

- **Technology Discovery**
  Technology updates help engineers to stay at the forefront of the industry and new to market product introductions.

- **Community Support**
  DesignSpark is the space for engineers to share, discuss and help fellow engineers; for there's always more to learn and tinker, experiment and develop.

GRASS ROOTS

Grass Roots Education is the dedicated Engineering & Technology Youth Empowerment Team at RS, who aim to develop & support students across the globe to help bridge the gap between University & the workplace.

- **Technical learning and application**
- **Employability skills training (Super Skills)**
- **Volunteering opportunities**
- **BrightSparks Awards (UK)**
- **Competitions and hackathons**
- **Championing young content creators**

RS PRO

RS PRO offers the Education sector a wide choice of over 68,000 products of proven quality at an affordable price.

Our range of Test & Measurement offers a complete choice of reliable, quality instruments, with calibrated options available, to meet the needs of professionals & students.

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