

C ACCUMULATOR

In high impact transparent polysterene container

- P60020** 2 Volt 20 Amphr
- P60024** 2 Volt 30 Amphr



D ACCUMULATOR

Mass type, in plastic container, rating at slow discharge

- P60055** 2 Volt 20 Amphr
- P60057** 2 Volt 45 Amphr



E ACCUMULATOR

Multi-plate type, in plastic container,

- P60065** 2 Volt 20 Amphr
- P60066** 2 Volt 45 Amphr
- P60067** 2 Volt 60 Amphr
- P60068** 2 Volt 75 Amphr
- P60069** 6 Volt 12 Amphr
- P60070** 6 Volt 20 Amphr



F BATTERY

12 V, 34 Amphr, car type, each cell provided with external lead connection bar so that each cell can be tapped separately .

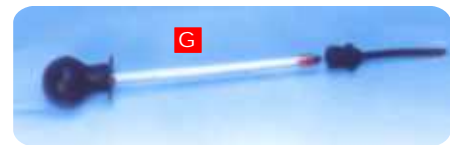
- P60075**



G BATTERY HYDROMETER

For measuring density of electrolyte in lead-acid cells. A hydrometer float is contained in a glass body which is provided with a rubber bulb and a nozzle.

- P60082**



H BATTERY CHARGER

For charging batteries. In metallic case with ammeter, switch for 6V/12V charging, with output fuse and indicator lamp. Complete with battery terminals and main cable. Operates on 230 Volts 50 Hz.

- Full load current
- P60090** 2 Amps
- P60092** 4 Amps
- P60094** 6 Amps



A BATTERY ELIMINATOR

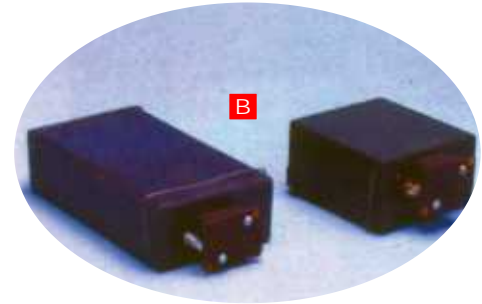
Housed in superior finished steel cabinets having 4 mm socket terminals, on/off switch, indicator light. double wound transformer & full wave bridge rectifiers,
Input : 230 volts A.C. Output : 2,4,6,8,10 and 12 V D.C.

| | Output current |
|---------------|----------------|
| P60101 | 1 Amp. |
| P60103 | 2 Amp. |
| P60105 | 5 Amp. |

**B CELL HOLDER**

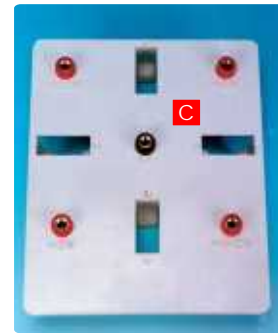
Rectangular plastic box with cover to hold 1.5 Volt dry cell, with sockets for output.

| | |
|-----------------|----------------|
| P60110/1 | For one cell |
| P60110/2 | For two cells |
| P60110/4 | For four cells |

**C CELL HOLDER**

Improved design, stackable, rectangular plastic moulding to hold upto four dry cells beneath it, enables use of one, two, three or four cells.

P60120

**D TRANSFORMER**

With 240 V a.c. mains input, this transformer provides outputs of 2, 4, 6 8 and 12 V at 8 A (96 VA maximum power loading) via 4 mm sockets, thus covering most low voltage a.c. requirements. Complete with 1.5 metre detachable 3 core mains cable.

P60150

**E AUTO TRANSFORMER**

Continuously variable voltage transformer, comprises a toroidal wound transformer with a continuously variable output voltage 0-260 volts a.c., Input 230 volts a.c. In stout metal protected case, mounted on a metal base with two output terminals, with mains input cable.

| | Current rating |
|---------------|----------------|
| P60152 | 2 Amp |
| P60153 | 4 Amp |
| P60154 | 8 Amp |
| P60155 | 15 Amp |



F POWER SUPPLY 12V AC AND DC

Specifications :

Mains input : 220-240V 50/60 Hz
 Output voltage : 0 to 12 V a.c. in 2V steps. full wave rectification.
 0 to 12 V d.c. in 2V steps
 Protection : Both outputs are provided with overload protection.

Output Current

P61010/1 1 Amp
P61010/2 2 Amp
P61010/5 5 Amp

G SMOOTHING UNIT

For use with power supplies. A capacitance / inductance / capacitance filter reduces ripple contents to better than $\pm 1\%$ on full load.

Maximum input : 50 V d.c.

Maximum output

current : 4 Amp
 Circuit Protection: 5 Amp fuse in output circuit

P61012

H STEP DOWN TRANSFORMER

12V/36 watt for ray box or other experiments
P61013

I POWER SUPPLY, CONTINUOUSLY VARIABLE, 25V

Gives continuously variable a.c. and d.c. outputs upto 10 A for a.c. and 8 A for d.c. A meter is provided to indicate both a.c. and d.c. voltages. An internal fuse is provided for input and a resettable cut-out for output. With detachable 1.5 metre mains lead.

Specifications:

Mains Input : 220-240 V a.c. 50/60 Hz
 Output Voltages : 0 to 25 V a.c. and unsmoothed full wave rectified d.c.
 Output current : 10 A maximum a.c.: 8 A maximum d.c.
 Voltage Selection : Rotary continuously variable transformer operated by a large knob on front panel.
 Metering : A.c. and d.c. output voltages by a moving coil meter with selector switch to select a.c. or d.c.
 Circuit protection : Mains input 3 A internal glass fuselink. Output is protected by a resettable cut-out.
 Output terminals : Colour coded 4 mm sockets.

P61015

POWER SUPPLY CONTINUOUSLY VARIABLE

Similar to cat number P61015 but current capacity 5 Amps.

P61022



*Digital Meter
are also Available*



A POWER SUPPLIES, REGULATED, DIGITAL

These power supplies are d.c. regulated, stabilised, short circuit and overload protected, easy and safe to use as a power source for electronic equipment.

The power supply can be operated in either constant voltage or constant current mode. Both voltage and current are precisely regulated with low output ripple. Voltage and current readings are displayed on two separate 3½ digit meters.

Output voltage, single or double, is continuously adjustable from 0 to 30 volts by coarse and fine controls.

Specifications

Meters : 3½ digital panel meters separately for voltage and current

Accuracy of DPM : ± 0.2% of readings, ±2 least count.

Regulation : ± 0.05% for current
± 0.05% for voltage

Ripple : less than 3 mv r.m.s.

Input Voltage : 230 volts ±10%, 50 Hz.

P62001 Capacity 1 Amp.

P62003 Capacity 2 Amp.

P62005 Capacity 5 Amp.

B POWER SUPPLIES, REGULATED, ANALOGUE

As above but output indication is through separate analogue meters

P62021 Capacity 1 Amp.

P62023 Capacity 2 Amp.

P62025 Capacity 5 Amp.

**C POWER SUPPLY H.T.**

General purpose H.T. unit for use with thermionic tubes etc. provides two continuously variable d.c. outputs of 0-25 V and 0 - 300 V and a fixed a.c. output of 6.3 V for valve heaters. The two d.c. voltages are continuously and independently variable. Three meters are provided for reading HT, Bias and LT voltages. Specifications :

Mains Input : 220 -240 V, 50/60 Hz

Outputs

HT : 0 to 300 V d.c. at 30 mA

Bias : 0 to 25 V d.c. at 5 mA.

LT : 6.3 V a.c. at 2 Amps.

LOAD REGULATION HT : ± 1%

LINE REGULATION HT : ± 0.5%

Output terminals : Colour coded 4 mm sockets with one green socket for earthing.

Metering : Three meters to measure HT volts, HT current, Bias voltage.

P62040**D POWER SUPPLY E.H.T.**

The unit provides a continuously variable E.H.T output

from 0 to 5 kV d.c. with a low voltage output of 6.3 volt d.c. and is ideal for vacuum tubes etc.

This unit uses a low voltage transistor inverter circuit and E.H.T. transformer. The high a.c. voltage is rectified and smoothed. A meter calibrated 0 to 5 kV is connected to control the output voltage.

Output :

E.H.T.-0 to 5 kV d.c., continuously variable. Terminal output voltage indicated by meter. Max short circuit current is safely at 3 mA. A heater supply 6.3 V a.c. at 4 A is fully isolated & insulated for 5 kV.

Protection :

Mains 500 mA antisurge fuse, Output overload protected, E.H.T. max current limited to 3 mA.

P62050

I POWER SUPPLY FOR SPECTRUM TUBES

Suitable for spectrum tubes, output continuously variable from 0 to 5 kV / 3 milliamps. fitted with on/off switch, colour coded output terminals. Operates on 230 V A.C. 50 Hz.

P62055



I

ELECTRICAL MEASURING INSTRUMENTS

A wide range of Ammeters, Voltmeters and Multimeters for d.c. and a.c. measurements are available. Some of the commonly used ranges are given below and other ranges can also be made to order.



MO-65

MOVING COIL METERS

For d.c. use only, with permanent magnet, spring controlled movement, jewelled bearings, hard polished pivots, and knife edge pointer. Each meter is mounted on a plastic/acrylic stand with colour coded terminals.

These meters are available in following sizes

MO-65

Scale length approx 50 mm, dial diam. 65 mm mounted in desk stand with two colour coded terminals. Overall size 90 x 110 x 90 mm approx. Accuracy: $\pm 2.5\%$ fsd



MO-65D

MO-65D

As above but dual range

ML-65

Scale length approx 50 mm, dial diam. 65 mm mounted in desk stand with two colour coded terminals. Overall size 90 x 100 x 125 mm approx. Accuracy: $\pm 2.5\%$ fsd

ML-65D

As above but dual range

ML-65T

As above but triple range



ML-65D

MO-65 AND ML-65 METERS WITH ANTI-PARALLAX MIRROR SCALE ARE ALSO AVAILABLE

MS-72

Scale length approx. 60 mm with anti-parallax mirror scale, dial size 72x72 mm with colour coded terminals. Overall size 90x110x125 mm approx.

Accuracy: $\pm 2\%$ fsd

MS-72D

As above but dual range

MS-72T

As above but triple range

MS-100

Scale length approx 85 mm, with anti-parallax mirror scale, dial size 80x100mm with colour coded terminals. Overall size 100x100x140 mm approx.

Accuracy: $\pm 2\%$ fsd

MS-100D

As above but dual range

MS-100T

As above but triple range

The ranges covered are

| | |
|-----------------|---|
| Voltmeters | : 0 - 1 Volt to 0 - 600 Volt. |
| Millivoltmeters | : 0 - 1 mV to 0 - 1000 mV |
| Ammeters | : 0 - 1 Amp to 0 - 10 Amp, with internal shunt |
| Milliammeters | : 0 - 10 mA to 0 - 1000 mA. |
| Microammeter | : 0 - 100 μ A to 0 - 500 μ A |

COMMONLY USED RANGES ARE AS FOLLOWS

VOLTMETER, MOVING COIL

For d.c. Measurements, any single range, 0-1, 1.5, 2, 5, 10, 25, 50, 100, 250, 300 volts.

P63001

MILLI-VOLTMETER, MOVING COIL

For d.c. Measurements, any single range, 0-25, 50, 100, 150, 250, 500mV.

P63003



ML-65T



MS-72



MS-72D

AMMETER, MOVING COIL

For d.c. Measurements, any single range,
0-1, 1.5, 3, 5, 10Amp.

P63005

MILLI-AMMETER, MOVING COIL

For d.c. measurements, any single range,
0-1, 5, 10, 25, 50, 100, 250, 500 mA.

P63007

MICRO-AMMETER, MOVING COIL

For d.c. measurements, any single range,
0-50, 100, 150, 200, 250, 500, μ A.

P63009

GALVANOMETER, MOVING COIL

For d.c. measurements,
Scale 35-0-35 or 50-0-50.

P63012

VOLTMETER, DUAL SCALE, MOVING COIL,

For d.c. measurements.

1/5, 3/15, 5/15 Volts

P63019

AMMETER, DUAL SCALE, MOVING COIL,

For d.c. measurements.

2.5/5, 1/5, 1.5/3, 5/10 Amps.

P63021

VOLTMETER, TRIPLE SCALE, MOVING COIL,

For d.c. measurements.

3/15/30, 3/15/300 Volts.

P63023

AMMETER, TRIPLE SCALE, MOVING COIL,

For d.c. measurements

50mA/500mA/5A.

P63025

A.C. VOLTMETER, MOVING COIL

Permanent magnet type with in-built rectifier,
any single range,

0-30, 60 Volts

P63027

A.C. AMMETER, MOVING COIL

Permanent magnet type, with current
transformer,

any single range,

0-1, 3, 5, 10Amps.

P63030

A. C. MILLIAMMETER RECTIFIER TYPE,

Without current transformer, any single
range,

0-5, 10, 25, 50, 100, 250, 500mA.

P63033



MS-100



MS-100T

**Digital Meters
are also
Available**

A DEMONSTRATION METER

With interchangeable scales. A versatile instrument and demonstration meter that can be converted to an a.c., or d.c. voltmeter or ammeter with selection of various ranges for each mode.

With a high quality moving coil, spring controlled movement with full scale deflection of 5 mA or 100 mV d.c. The long pointer has a spade end and is clearly visible from a distance. Fitted in case with glass front and back.

The instrument can be used with different dials to give different voltage and current ranges. All dials are interchangeable and each has a plug coupler to fit the instrument. The coupler connects appropriate resistors, shunts or rectifiers to convert the instrument to the range as given on the scale of the particular dial. The scales have clear bold figures and are marked on both sides to enable the lecturer also to observe the reading from the back of the instrument. A zero adjuster allows the instrument to be used for centre zero dials. One dial of range 50-0-50 mV d.c. is supplied with the instrument.

P64200/1 In wooden case

P64200/2 In plastic case

B DIALS, INTERCHANGEABLE

For use with P64200

Each dial comprises a plastic panel with a sealed moulded capsule on one side containing appropriate shunts, or voltage multipliers.

D.C. CURRENT

| | Range |
|---------------|------------|
| P64201 | 5-0-5 mA |
| P64202 | 10-0-10 mA |
| P64203 | 0-10 mA |
| P64204 | 0-50 mA |
| P64205 | 0-100 mA |
| P64206 | 0-500 mA |
| P64207 | 0-1 A |
| P64208 | 0-5 A |
| P64209 | 0-10 A |

A.C. CURRENT

| | Range |
|---------------|----------|
| P64230 | 0-10 mA |
| P64231 | 0-50 mA |
| P64232 | 0-100 mA |
| P64233 | 0-500 mA |
| P64234 | 0-1 A |
| P64235 | 0-5 A |
| P64236 | 0-10 A |

D.C. VOLTAGE

| | Range |
|---------------|------------|
| P64220 | 50-0-50 mV |
| P64221 | 5-0-5 V |
| P64222 | 0-1 V |
| P64223 | 0-5 V |
| P64224 | 0-10 V |
| P64225 | 0-15 V |
| P64226 | 0-300 V |

A.C. VOLTAGE

| | Range |
|---------------|---------|
| P64240 | 0-5 V |
| P64241 | 0-10 V |
| P64242 | 0-15 V |
| P64243 | 0-50 V |
| P64244 | 0-300 V |





C SPOT GALVANOMETER

High sensitivity, very useful as null detector. Housed in sturdy plastic case with in-built lamp and scale arrangement, taut band type movement, with Alcomax magnet, clamp and free arrangement for safe transportation, easy replacement of the 6V lamp, working on 220V a.c. with internal transformer. With a rotary switch for selecting any of the five shunt powers 1, 1/10, 1/100, 1/1000, and short circuit. Galvanometer resistance : 125 ohms
 Current per mm deflection : 5×10^{-8}
 Volts per mm deflection : 6.25×10^{-6}
 Critical damping resistance : 1000 ohms
P64300

E LAMP AND SCALE OUTFIT

Suitable for use with reflecting galvanometer, provided with adjustment in any direction and fitted with 6 volt lamp which work on 230 volts a.c. with the help of stepdown transformer provided in base. The universal lamp and scale is fitted on heavy base with chromium plated rod. Complete with perspex scale calibrated 250 - 0 - 250 mm and 0 - 500 mm. The scale carrier is of improved design permitting lateral adjustment and provides full scale view over the entire length.
P64305

D BALLISTIC GALVANOMETER

For measurement of small quantities of electrical charge. the moving coil is suspended by a phosphor bronze strip, which carries an optically true concave mirror. The coil can be raised, lowered or set to zero by an adjusting knurled knob at top. A knob at back is provided for clamping and releasing the coil. With levelling screws.

Resistance of coil Period Sensitivity

| | | | |
|-----------------|----------|------------|--------|
| P64302/1 | 100 ohms | 10-12 sec. | 180 mm |
| P64302/2 | 500 ohms | 10-12 sec. | 400 mm |

F DIGITAL MULTIMETER

3 ½ digit, LCD multimeter

Range :

- DC voltage: upto 1000 V in five ranges
- AC voltage: upto 750 V in five ranges
- DC current: upto 10 A in six ranges
- AC current: upto 10 A in six ranges
- Resistance: upto 20 Megohm in six ranges
- Accuracy : $\pm 0.5\%$ for d.c. and resistance ranges
 $\pm 1\%$ for a.c. ranges.

Powersupply: One 9 volt battery
 Audible continuity check, diode check

P64310



A DIGITAL MULTIMETER

4 ½ digit LCD multimeter

Ranges :

DC voltage : upto 1000 V in 5 ranges
 AC voltage : upto 750 V in 5 ranges
 DC current : upto 10A in six ranges
 AC current : upto 10A in six ranges
 Resistance : upto 20 Megohm in six ranges

Accuracy :

DC Voltage : ± 1%
 AC Voltage : ± 1%
 DC current : ± 0.3%
 AC current : ± 0.75%
 Resistance : ± 0.25%
 Battery : 9V
 Audible continuity check, diode test

P64315**B MULTIMETER, ANALOGUE**

This is a high sensitivity pocket size circuit tester equipped with a meter movement of 175 micro amperes sensitivity. Pin-jack range selection system entirely eliminates mechanical switching troubles. The internal batteries measure resistance from 2 ohms upto 1 M ohms.

Range :

DC voltage : 0.25/10/50/250/1000V
 (4K ohm/V) ± 3%
 AC voltage : 10/50/250/500/1000V
 (2K ohm/V) ± 4%
 AC current : 0.25/10/250mA ±3%
 Resistance : 0-10K/1M ohm
 (min.2 Ohms & max.1M ohm).
 dB : -20 to + 22, +20 to + 36
 Battery : 1.5 V (UM-3) x 2
 Capacitance : 0.0001 (100pF) to 0.03µF
 0.01-0.6µF
 Inductance : 10 to 1000H

P64325**CONNECTING LEADS AND TERMINATORS****C INSULATED 4 MM. SOCKET TERMINALS**

With moulded captive head , 4 mm. socket, plastic body, nut and washers. Will also clamp wire and spade terminals P90001

D BANANA PLUG

4 mm pin, spring insert, screwed on plastic body

P90005**E SOCKET FOR BANANA PLUG**

4mm hard plastic, with fixing nut screwed in plastic body.

P90007



F PLUGS, TRANSVERSE HOLE

4mm, with screw connection for wire and 4mm transverse hole for extra connection, moulded in flexible plastic

- P90008** Black
- P90009** Red

G INSULATED SOCKET

4mm single socket for flexible leads, with screw connection for wire, hard plastic body.

- P90020** Black
- P90022** Red

H INSULATED SOCKET CONNECTOR

4mm double sockets with straight-through metal insert enabling two 4mm plugs to be joined together, hard plastic, pack of ten

- P90030** Black
- P90031** Red

I SPADE TERMINAL ADAPTOR

Spade shaped standard terminal with 4 mm socket connector to convert screw terminal for use with 4 mm plug connection

- P90035** Black
- P90036** Red

J BNC TO 4MM SOCKET TERMINAL ADAPTOR

Plugs directly to BNC input socket, with two standard 4 mm socket terminals, spaced 19 mm apart

- P90038** Black
- P90039** Red

BNC CONNECTING LEADS

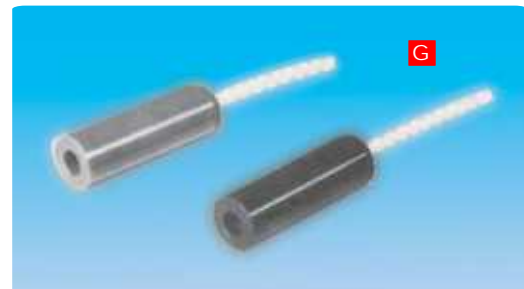
Interconnection leads, for BNC plug to 4 mm plug, fitted with strain relief sleeves, 1 metre long.

P90042

K FLEXIBLE LEADS, PVC

Insulated, with crocodile clip at each end.

| | Length | Colour |
|----------|---------|--------|
| P90045/1 | 250 mm. | Black |
| P90045/2 | 250 mm. | Red |
| P90045/3 | 500mm. | Black |
| P90045/4 | 500 mm. | Red |
| P90045/5 | 750 mm. | Black |
| P90045/6 | 750 mm. | Red |



FLEXIBLE LEADS, PVC

Insulated with 4 mm plug at one end and crocodile clip at the other.

| | Length | Colour |
|-----------------|---------|--------|
| P90050/1 | 250 mm. | Black |
| P90050/2 | 250 mm. | Red |
| P90050/3 | 500 mm. | Black |
| P90050/4 | 500 mm. | Red |
| P90050/5 | 750 mm. | Black |
| P90050/6 | 750 mm. | Red |

**A FLEXIBLE LEADS, PVC**

As above with 4 mm plug at both ends.

P90060

B TEST PRODS

A pair of black and red prods with 4mm leads, tough plastic body.

P90080

**C SPADE CONNECTORS**

With hooked blade, insulated sleeve and screw for connection to wire, pack of ten.

P90100

**D CROCODILE CLIP**

With strong spring, clamping screw for wire. The shank will accept 4 mm plugs.

P90110

**E ALLIGATOR CLIPS (BATTERY CLIPS)**

Wide jaws, toothed, strong spring

| | Rating |
|---------------|--------|
| P90120 | 5A |
| P90122 | 50A |



WIRES AND CABLES

F COPPER WIRE, BARE

Wound on reel

| | SWG | Net weight |
|--------|-----|------------|
| P90300 | 12 | 500 g. |
| P90301 | 14 | 500 g. |
| P90302 | 16 | 500 g. |
| P90303 | 18 | 250 g. |
| P90304 | 20 | 250 g. |
| P90305 | 22 | 250 g. |
| P90306 | 24 | 250 g. |
| P90307 | 28 | 250 g. |
| P90308 | 30 | 250 g. |
| P90309 | 32 | 250 g. |
| P90310 | 34 | 250 g. |
| P90311 | 36 | 125 g. |

COPPER WIRE, TINNED

SWG 26, reel of 16 g. approx.

P90350

COPPER WIRE, POLYURETHANE ENAMELLED

| | SWG | Net weight |
|--------|-----|------------|
| P90400 | 16 | 250 g. |
| P90401 | 18 | 250 g. |
| P90402 | 20 | 250 g. |
| P90403 | 22 | 125 g. |
| P90404 | 24 | 125 g. |
| P90405 | 26 | 125 g. |
| P90406 | 28 | 125 g. |
| P90407 | 30 | 125 g. |
| P90408 | 32 | 125 g. |
| P90409 | 36 | 125 g. |



RESISTANCE WIRES

G EUREKA / CONSTANTAN WIRE, BARE

Copper nickel alloy resistance wire, low temperature coefficient, reel of 125g.

| | SWG. |
|--------|------|
| P90430 | 16 |
| P90431 | 18 |
| P90432 | 20 |
| P90433 | 22 |
| P90434 | 24 |
| P90435 | 26 |
| P90436 | 28 |
| P90437 | 30 |
| P90438 | 32 |
| P90439 | 34 |
| P90440 | 36 |



**EUREKA / CONSTANTAN WIRE ,
DOUBLE RAYON COVERED**

Suitable for resistance coils etc. Reel of 125g net.

| | SWG. |
|--------|------|
| P90460 | 22 |
| P90461 | 24 |
| P90462 | 26 |
| P90463 | 28 |
| P90464 | 30 |
| P90465 | 32 |
| P90466 | 34 |
| P90467 | 36 |
| P90468 | 38 |
| P90469 | 40 |
| P90470 | 42 |
| P90472 | 44 |

CONSTANTAN WIRE

Double enamelled, SWG 48, on reel of 50 g net.

P90450

MANGANIN WIRE, BARE

Reel of 125 g net.

| | SWG. |
|--------|------|
| P90510 | 20 |
| P90511 | 22 |
| P90512 | 24 |
| P90513 | 26 |
| P90514 | 28 |
| P90515 | 30 |

A NICHROME WIRE, BARE

Reel of 125g net.

| | SWG. |
|--------|------|
| P90530 | 18 |
| P90531 | 20 |
| P90532 | 22 |
| P90533 | 24 |
| P90534 | 26 |
| P90535 | 28 |
| P90536 | 30 |
| P90537 | 32 |

B WIRE, FLEXIBLE, SINGLE

20 SWG copper wire , PVC insulated , in multiple of 10 metres.

P90542

C WIRE FLEXIBLE, TWIN

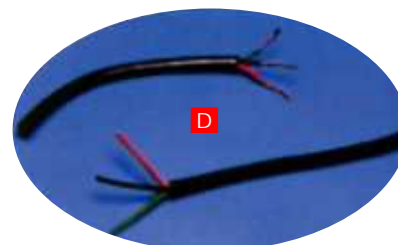
Multistrand copper wire , PVC insulated , to carry 2 A. in multiple of 10 metres.

P90545

D CABLE, THREE CORE

Multistrand copper wire , PVC insulated, colour brown, blue and yellow/green

| | Current capacity | Diam. mm. |
|--------|------------------|-----------|
| P90550 | 3 A | 6.5 |
| P90552 | 6 A | 6.9 |
| P90556 | 15 A | 8.1 |



KEYS AND SWITCHES

E CONTACT KEY, SINGLE

A spring arm , press knob, contact stud and a connecting strip with two 4 mm. terminals on plastic base of 100 x 60 mm. size.

P90600



F LEVER SWITCH, TWO WAY

A pivoted contact arm and three metal studs mounted on a plastic base, with three 4mm terminals. The central terminal is the common connection.

P90610



G PLUG SWITCH, ONE WAY

Two brass blocks with 4mm insulated terminals are mounted on a moulded base, an accurately tapered plug with a fluted top fits into the tapered hole between the two blocks, ensuring very low contact resistance.

P90615



H PLUG SWITCH, ONE WAY

Similar to cat no P90615 but with two brass terminals.

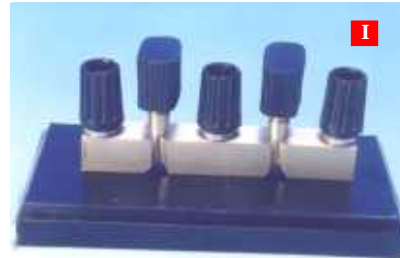
P90619



I PLUG SWITCH, TWO WAY

With three brass blocks, each with a 4mm insulated terminal and two standard tapered plugs to fit the two holes between the blocks.

P90625



PLUG SWITCH, TWO WAY

Similar to cat no P90625 but with three brass terminals.

P90628



J KNIFE SWITCH

Low voltage, moulded base with plated contacts and screw connections.

P90630

Single Pole Double Throw

P90633

Double Pole Double Throw



A KNIFE SWITCH

As above, but mounted on insulated plate with three 4 mm socket terminals.

| | |
|---------------|--------------------------|
| P90636 | Single Pole Double Throw |
| P90639 | Double Pole Double Throw |

B REVERSING KEY

To change polarity rapidly. A plastic bar with two terminals and two brushes is pivoted to rotate over two contact strips so that its rotation reverses polarity of connections on the base.

P90640

C CARTRIDGE FUSES

With transparent glass body, quick blow type, 20mm long.

| | Rating |
|---------------|---------------|
| P90660 | 250mA |
| P90661 | 500 mA |
| P90662 | 1 A |
| P90663 | 2 A |
| P90664 | 3.15 A |
| P90665 | 5 A |

D FUSE HOLDER

To take above fuses of 20 mm length.

P90670

FUSE WIRE

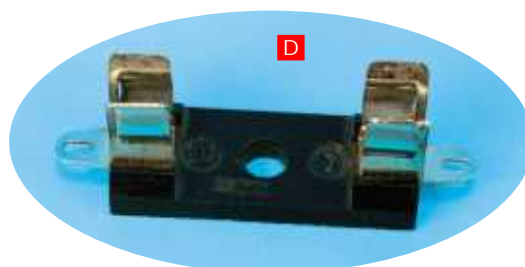
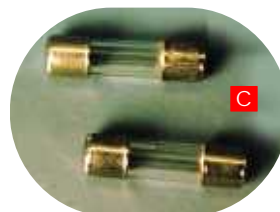
Tinned copper 100g. reel

| | Fusing Current |
|---------------|-----------------------|
| P90680 | 2 A |
| P90682 | 5 A |
| P90684 | 10 A |
| P90690 | 15 A |

LAMPS**E FLASH LAMP BULB, ROUND**

M.E.S. cap

| | |
|---------------|--------|
| P90710 | 1.25 V |
| P90711 | 2.5 V |
| P90712 | 3.5 V |
| P90713 | 4.5 V |
| P90714 | 6 V |
| P90715 | 12 V |



F FLASH LAMP BULB, LENS END

2.2 V, 0.25 A, lens end, M.E.S. cap.
P90750

**G LAMP, LOW VOLTAGE**

With double contact, S.B.C.

P90760/1 6 V 36 W
P90760/3 12 V 24W
P90760/5 12 V 36 W

**H LAMP, LOW VOLTAGE**

With straight axial filament, double contact

P90765/1 6 V 36 W
P90765/3 12 V 24W
P90765/5 12 V 36 W

**I PROJECTOR LAMP, AUTO TYPE**

6 V 21 W S.B.C. cap, straight transverse filament, for use in horizontal or vertical position.
P90767

**J PROJECTOR LAMP, HALOGEN**

P90799/1 24 V 150W
P90799/3 24 V 250W

**K LAMPHOLDER M.E.S.**

Rolled shell of brass mounted in moulded plastic base.
P90770

**L LAMPHOLDER M.E.S. MOUNTED**

Fitted on base with two 4mm sockets.
P90775

