



COMPLETE EQUIPMENT LISTING CATALOGUE



DC VOLTAGE GRADIENT TECHNOLOGY & SUPPLY LTD.

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DCVG & CIPS – FULL SETS

DCVG

D.C. Voltage Gradient Equipment



CONTENTS

Main Equipment Carry Case	1
Satellite Synchronised 50 or 125 amp Interrupter	1
Analogue DCVG Survey Meter	1
Bias Probe Handles	2
120/240 Volt Battery Charger	1
3 Way Battery Charger Adaptor	1
Right Hand Connection Lead	1
Left Hand Connection Lead	1
Copper Sulphate Crystals	1
Probe Filler Bottle	1
Probe Tips	4
Probe Tip Washers	4
Probe Tip Holder	2
PTFE Sealing Tape	1
Reference Probes - DCVG	2
Reference Probe Carry Case	1
DCVG User Manual	1
Satellite Synchronised 50/125 amp Interrupter User Manual	1
Certificates	Set

All certificates are stored in the documents folder which is located in the main equipment case.

Full or Basic Sets are offered to suit your needs.



DCVG & CIPS – FULL SETS

CIPS

Close Interval Pipe to Soil Equipment



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Full or Basic Sets are offered to suit your needs.

CONTENTS

Equipment Carry Cases	2
50/125 amp Satellite Synchronised Interrupters	3
Interrupter Satellite Aerial	3
Interrupter Power Cable to External	
12 Volt Battery	3
Quantum CIPS Data Logger	1
Quantum Satellite Aerial	1
Single Connector Probe Handle	2
Double Connector Probe Handle	1
120/240 Volt Battery Charger	2
3 Way Battery Charger Adaptor	1
Right Hand Connection Lead	2
Left Hand Connection Lead	2
Jar of Copper Sulphate	1
Probe Filler Bottle	1
Probe Tips	10
Probe Tip Washers	5
Probe Tip Holders	5
PTFE Sealing Tapes	2
Reference Probes - CIPS	3
Reference Probe Carry Case	1
Satellite Interrupter Aerial	3
Shorting Out Lead	1
Quantum to RS232 Download Cable	1
15m Remote Earth Cable	1
Backpack to Quantum Signal Cable	2
Probe to Probe Connection Cable	2
Quantum Download CD	1
RS232 to USB Adaptor & Device Drivers on CD	1
Wire Dispenser Backpack with Battery	1
Empty DIN 125 Wire Reels	6
Wire Winding Spindle with Spare Nut, Bolt and Washers	1 Set
Backpack Battery Charger	1
Backpack Battery to Quantum Cable	2
User Manuals	5
Certificates	1 Set

EM SOIL RESISTIVITY EQUIPMENT

EM SOIL RESISTIVITY

Electromagnetic Soil Resistivity Equipment



CONTENTS

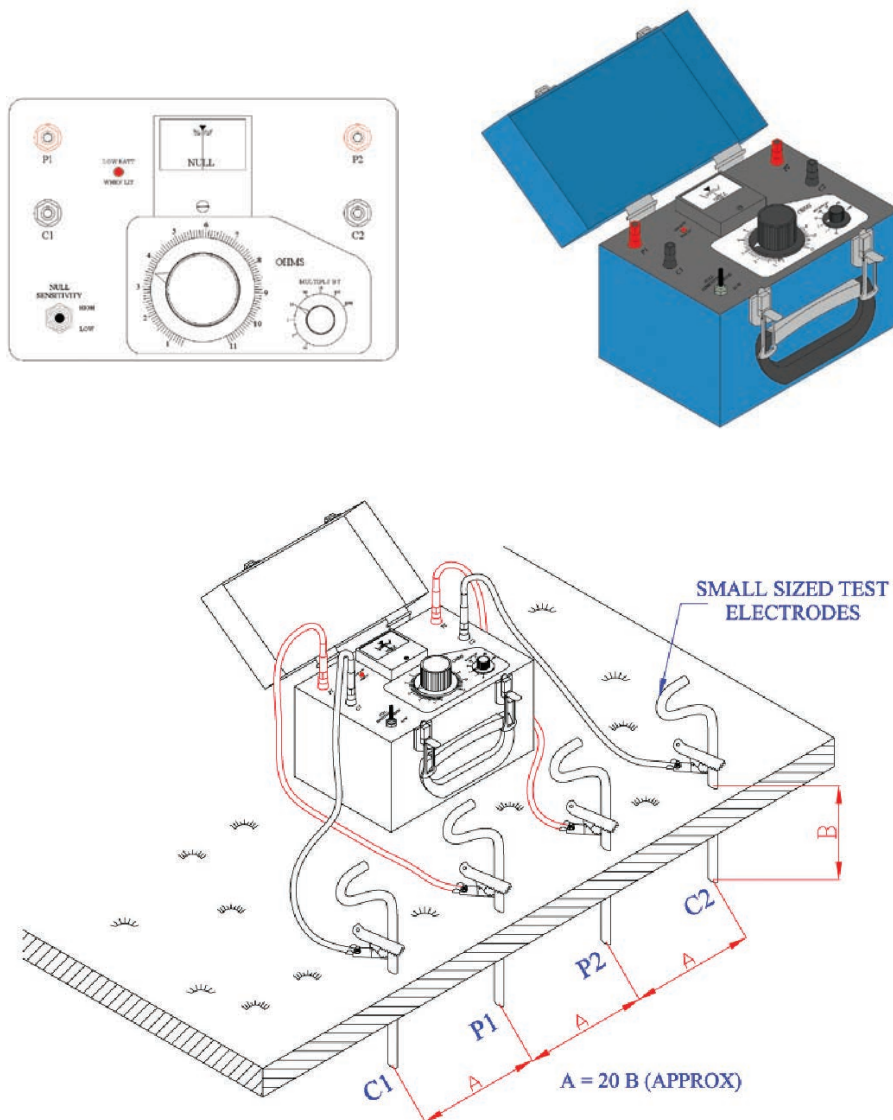
12 Volt Car Socket Supply Cable	1	EM01
AA Battery Cell Holder	1	EM02
Belt	1	EM03
CMD Software Package	1	EM04
Control Unit	1	EM05
Control Unit Holder	1	EM06
Power Lead	1	EM07
Charger	1	EM08
Receiver Probe	1	EM09
Transmitter Probe	1	EM10
Shoulder Strap	1	EM11
Stomach Pad	1	EM12
USB Cable	1	EM13

- Easy to use and can survey up to 17 km per day if using a trolley system.
- Range sensitivity: 75 to 500,000 ohm. cm.
- Light weight (10 kg), 4 metres working length and survey up to a depth of 6 metres.
- 2 MB memory. RS232 to USB Download.
- 16 hours battery life.

FULL SET CAT. NO.: EM0FULL



SOIL RESISTIVITY EQUIPMENT



4-PIN SOIL RESISTIVITY RESISTANCE METER: NILSSON MODEL 400

CAT. NO.: L001N4PN

- Rugged, highly sensitive soil resistance meter complete with measuring pins.
- Wide Range; 0.01 ohm to 1.1 megohm, in 8 ranges with 10 % overlap on all ranges.
- Two position sensitivity: low and high.
- Works in all field temperatures.
- Insensitive to AC or DC ground currents. Operates on the 97 Hz which allows maximum power line rejection.
- Can be used with 2, 3 or 4 pins.
- Comes complete with pins in a rugged weatherproof case.



INTERRUPTERS



50 AMP STANDARD NON SYNCHRONISABLE INTERRUPTER

CAT. NO.: L0050STAN

- Non-Synchronisable Interrupter for pulsing the CP System ON and OFF for Transformer / Rectifiers with ratings up to 50 amp.



50 AMP SATELLITE INTERRUPTER

CAT. NO.: L0050SAT

- Synchronisable Interrupter for pulsing the CP System ON and OFF for Transformer / Rectifiers with ratings up to 50 amp.



125 AMP STANDARD INTERRUPTER

CAT. NO.: L00125STAN

- Non-Synchronisable Interrupter for pulsing the CP System ON and OFF for Transformer / Rectifiers with ratings up to 125 amp.



125 AMP SATELLITE INTERRUPTER

CAT. NO.: L00125SAT

- Synchronisable Interrupter for pulsing the CP System ON and OFF for Transformer / Rectifiers with ratings up to 50 amps.



50 AMP SATELLITE INTERRUPTER WITH TIMING FACILITY

CAT. NO.: L0050TIM

- Timed Synchronisable Interrupter for pulsing the CP System ON and OFF for Transformer / Rectifiers with ratings up to 50 amps.



SURVEY METER & DATA LOGGERS



ANALOGUE DCVG SURVEY METER

CAT. NO.: L003

- Analogue DCVG meter for locating coating faults and determining the corrosion status of the defect.
-



QUANTUM DATA LOGGER

CAT. NO.: Q002

- For recording ON and OFF pipe-to-soil potentials.
 - Record DCVG electrical measurements.
 - View CP Waveform.
-



MAXIMUS DCVG SURVEY METER

CAT. NO.: M001

- Analogue DCVG Meter for locating coating faults and determining the corrosion status of the defect.
 - This new DCVG Meter has many more capabilities, including the ability to store the data on the internal memory and extract it by USB.
 - It also has integrated GPS, so that you can store the co-ordinates of the coating fault with the data.
-



6 CHANNEL DATA LOGGER

CAT. NO.: DL01

- For recording the voltage and current readings.
- The Data Logger will also record GPS and timings.
- Comes with software to analyse the data.
- The ability to extract data by USB cable.



MAXIMUS DCVG KIT

CAT. NO.: M002



CONTENTS

Maximus DCVG Survey Meter	1
Maximus DCVG Satellite Aerial	1
50 or 125 Amp Satellite Synchronisable Interrupter	1
Interrupter Satellite Aerial	1
Power Cable to External 12 Volt Battery	1
Bias Probe Handle	1
Double Connector Handle	1
120/240 Volt Battery Charger	1
3-Way Battery Charger Adaptor Lead	1
Right Hand Connection Lead	1
Left Hand Connection Lead	1
15 Metre Remote Earth Cable	1
Mini USB Cable	1
Jar of Copper Sulphate	1
Probe Filler Bottle	1
Probe Tips	6
Probe Tip Washers	6
Probe Tip Holder	3
PTFE Sealing Tape	1
Equipment Carry Case with Blue Insert	1
Maximus DCVG User Manual	1
Maximus Quick Start Guide	1
DCVG Maintenance Manual	1
Interrupter Manual	1



LEATHER NECK STRAP

CAT. NO.: L003N



LEATHER WAIST STRAP

CAT. NO.: L003W



NECK PADS

CAT. NO.: L003P

- Soft leather to protect neck from leather strap.
- Fits around leather neck strap.

ACCESSORIES FOR REFERENCE ELECTRODES



Cu/CuSO₄ REFERENCE ELECTRODES

CAT. NO.: L005 – DCVG OR Q004-CIPS

- Please quote whether for DCVG or CIPS Surveys



BIAS PROBE HANDLE

CAT. NO.: L004



SINGLE CONNECTOR PROBE HANDLE

CAT. NO.: Q004-S



DOUBLE CONNECTOR PROBE HANDLE

CAT. NO.: L004-D

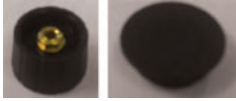


MAXIMUS BIAS HANDLE

CAT. NO.: M003

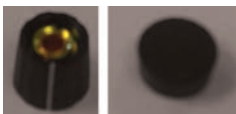


ACCESSORIES FOR REFERENCE ELECTRODES



DCVG BIAS HANDLE - LARGE KNOB AND CAP

CAT. NO.: L019



DCVG BIAS HANDLE - SMALL RANGE SWITCH AND CAP

CAT. NO.: L020



FLAT Cu/CuSO_4 REFERENCE ELECTRODES

CAT. NO.: CUREF-01

- Flat Porous plug Copper /Copper sulphate reference electrode. Used in soil and water environments (with submersible adaptor).
 - Size: 13/8" dia x 6" long. Dry weight: 4oz.
-



STANDARD Cu/CuSO_4 REFERENCE ELECTRODES

CAT. NO.: CURES-01

- Cone shaped porous plug Copper /Copper sulphate reference electrode. For use in soft soils. Provides lower contact resistance. When pushed into soft soils the shape of the plug helps the electrode to stand up.
-



SILVER/SILVER CHLORIDE REFERENCE ELECTRODES

CAT. NO.: AGRE-01

ACCESSORIES FOR REFERENCE ELECTRODES



PROBE TIP HOLDER

CAT. NO.: L008



PROBE TIP WASHER

CAT. NO.: L009



WOODEN PROBE TIP – POINTED

CAT. NO.: L010-P



WOODEN PROBE TIP – STANDARD

CAT. NO.: L010-S



PTFE SEALING TAPE

CAT. NO.: L011



PROBE FILLER BOTTLE

CAT. NO.: L014



JAR OF COPPER SULPHATE

CAT. NO.: L015

- Laboratory grade powdered copper sulphate. Please specify quantity.



EQUIPMENT CARRY CASES



DCVG & CIPS CARRY CASES WITH BLUE CASE INSERT

CAT. NO.: L016-CWBI



REFERENCE PROBE CARRY CASE

CAT. NO.: L017Y - Yellow DCVG Reference Probe Case

CAT. NO.: L017O - Orange DCVG Reference Probe Case



BLUE CASE INSERT

CAT. NO.:

L018-50AM - DCVG or CIPS meter with 50 amp Interrupter

L018-50AI - 2 X 50 amp Interrupters case insert

L018-125AI - 2 X 125 amp Interrupter case insert



EQUIPMENT CARRY CASE

CAT. NO.: L021



CHARGERS



EXTERNAL BATTERY CHARGER

CAT. NO.: L003



BACKPACK BATTERY CHARGER

CAT. NO.: Q009



120/240 VOLT BATTERY CHARGER

CAT. NO.: L012



3-WAY BATTERY CHARGER ADAPTOR

CAT. NO.: L013



CABLES / LEADS



LEFT & RIGHT HAND CONNECTION LEAD

CAT. NO.:

L006 Right Hand Connection Lead

L007 Left Hand Connection Lead



QUANTUM TO RS232 DOWNLOAD CABLE

CAT. NO.: Q011



BACKPACK TO QUANTUM SIGNAL INPUT CABLE

CAT. NO.: Q015



PROBE TO PROBE CONNECTION CABLE

CAT. NO.: Q016



CABLES / LEADS



SHORTING OUT LEAD

CAT. NO.: Q017



BACKPACK BATTERY TO QUANTUM CABLE

CAT. NO.: Q019



15m OVERLINE REMOTE EARTH CABLE

CAT. NO.: Q033



**INTERRUPTER POWER CABLE
TO EXTERNAL 12 VOLT BATTERY**

CAT. NO.: Q034



MAXIMUS USB DATA CONNECTION CABLE

CAT. NO.: M004



SATELLITE INTERRUPTER AERIAL

CAT. NO.: Q005-SIA



QUANTUM DATA LOGGER SATELLITE AERIAL

CAT. NO.: L005-QSA



MAXIMUS ALUMINIUM AERIAL STAND BACKPACK

CAT. NO.: M005



SINGLE WIRE DISPENSER BACKPACK WITH REEL

CAT. NO.: Q018



DOUBLE WIRE DISPENSER BACKPACK WITH REEL

CAT. NO.: Q035



**SINGLE WIRE DISPENSER BACKPACK WITH DOUBLE
WIRE ON REEL AND CABLES**

CAT. NO.: Q036



BLACK BOX PLUS CABLES FOR STATIONARY MOVING

CAT. NO.: Q037



SATELLITE AERIAL PLATFORM

CAT. NO.: Q038



QUANTUM BACKPACK EQUIPMENT



EMPTY DIN125 WIRE REELS

CAT. NO.: Q026



WIRE WINDING SPINDLE FOR PILLAR DRILL

CAT. NO.: Q027



BACKPACK HARNESS

CAT. NO.: Q039



WIRE WINDING SPINDLE BOLT & WASHER

CAT. NO.: Q040



COPPER WIRE DIN 125 REELS (5 km) 3.5 kg

CAT. NO.: Q041



**COPPER WIRE DIN 125 REELS –
DOUBLE WOUND WIRE**

CAT. NO.: Q042



EMPTY DIN 160 REELS WITH ADAPTATION

CAT. NO.:Q043

The DIN 160 Reel allows you to add more wire to your spindle (more than 5km of copper wire). To use a DIN160 reel on our CIPS backpack you just need to let us know you want an empty DIN160 reel with adaptation.



COPPER WIRE DIN 160 REELS

CAT. NO.:Q044



WIRE WINDING HARNESS

CAT. NO.:Q045

The wire winding harness is for those companies that use re-usable wire and want to wind the wire back in without snapping it. The wire winding harness straps to the body and is adjustable to the size of the persons body. The wire winding harness allows you to wind the wire back in carefully with the wire in your vision at all times to prevent snapping of the wire.



STAINLESS STEEL WIRE WITH NYLON COATING

CAT. NO.:Q046

Stainless Steel wire with a Nylon Coating on DIN125 Reels 2km. This is made of a thin 0.3mm wire with a very thin coating of nylon. The reason for using Nylon is that it is strong so doesn't snap as easily. It means that the wire can be used several times and can be rewound after each survey.



CIPS & DCVG SOFTWARE

CAT. NO.: SCD-1



QUANTUM DOWNLOAD SOFTWARE

CAT. NO.: QDS-1



JETTA CP SOFT: JETTY & TANK SOFTWARE

CAT. NO.: JETTA-1



ECDA SOFTWARE

CAT. NO.: ECDA-1



EXCAVAT SOFTWARE

CAT. NO.: EXCAVAT-1



DCVG SOFTWARE

CAT. NO.: DCVG-1



CIPS SOFTWARE

CAT. NO.: CIPS-1



SOIL RESISTIVITY SOFTWARE

CAT. NO.: SR-1



USB TO RS232 ADAPTOR

CAT. NO.: USBR-1



DCVG EQUIPMENT COMPONENTS



INTERRUPTER BATTERY

CAT. NO.: L022



**ANALOGUE DCVG &
CIPS METER BATTERY**

CAT. NO.: L023



BLACK TERMINAL

CAT. NO.: L024



RED TERMINAL

CAT. NO.: L025



ANALOGUE DCVG METER MOVEMENT

CAT. NO.: L026



GLASS FOR ANALOGUE DCVG METER MOVEMENTS

CAT. NO.: L027



GLASS PLUS BLACK DCVG METER HOUSING

CAT. NO.: L028



MEASURING WHEEL

CAT. NO.: L041

