



DC VOLTAGE GRADIENT TECHNOLOGY & SUPPLY LTD

GLOBAL LEADERS IN DCVG / CIPS EQUIPMENT, ECDA & SURVEY SOFTWARE
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DC VOLTAGE GRADIENT PRODUCTS



DCVG Ltd. For All Your Survey Equipment and Data Analysis Requirements



DCVG Ltd., a high-technology company providing services to the pipeline and related industries with many man-years of experience in the gathering, presentation and analysis of pipeline survey data to define cost effective rehabilitation and maintenance programs.

DCVG Survey Equipment:

- 1) Analogue DCVG Survey Equipment Sets
- 2) Digital DCVG Survey Sets
- 3) DCVG Specifications
- 4) DCVG Software



CIPS Survey Equipment:



- 1) Quantum Equipment:
Conventional CIPS Survey Equipment
- 2) Quantum Plus Equipment:
Combined CIPS and DCVG Survey Equipment.
- 3) Quantum Lateral Equipment:
Combined CIPS and Lateral Half Cell Equipment.
- 4) Quantum L Plus Equipment:
Conventional CIPS, CIPS + DCVG and CIPS
+ Lateral Half Cell Equipment.

Interrupter Types:

- 1) **Variation 1:** Unsynchronised standard Interrupter for DCVG Surveys.
Operated at DCVG Pulse Frequency only. (0.45 second ON, 0.8 second OFF).
- 2) **Variation 2:** Satellite Synchronised Interrupter for DCVG/CIPS Surveys.
Operated at DCVG Pulse Frequency only. (0.45 second ON, 0.8 second OFF).
- 3) **Variation 3:** Satellite Synchronised Interrupter for DCVG/CIPS Surveys.
Operated at variable Pulse Frequency.
 - a. For straight DCVG 0.45 seconds ON,
0.8 seconds OFF (1.25 second sequence).
 - b. Combined CIPS/DCVG 1.6 Seconds ON,
0.9 Seconds OFF (2.5 second sequence).
 - c. Combined CIPS/DCVG 0.8 seconds ON,
0.45 Seconds OFF (1.25 second sequence).
 - d. CIPS A. 3 Seconds ON, 2 seconds OFF.
(5 Second sequence)
 - e. CIPS B. 4 Seconds ON, 1 Second OFF.
(5 seconds sequence). Satellite Synchronisation
every 5 seconds.
- 4) **Variation 4:** Satellite Synchronised Interrupter for DCVG/CIPS Surveys. Operated
at same selected ON / OFF switching sequences as variation 3 but with a 4 channel
built in Data Logging Capability to record all satellite information, time, location,
current output, switching sequence, local pipe to soil potentials. This type
of Interrupter is capable of proving switching sequences and thus capable of being
used to settle any timing disputes with the CIPS data logger that may arise.



Survey Equipment Spares:

Complete DCVG Pipeline Coating Integrity Survey Set

DCVG Survey T/R Interrupter (Non Synchronisable)
DCVG Survey Meter
Probe Handles (Bias & Plain)
Copper Sulphate Reference Probes
Right Hand Connection Leads
Left Hand Connection Leads
Reference Probe Tip Holders
Probe Tip Washers
Wooden Probe Tips
PTFE Sealing Tape
120/240 Volt Battery Charger
Battery Charger Adaptor Lead
Probe Filler Bottle
Copper Sulphate Crystals (JAR)
Equipment Carry Case
Probe Carry Case
DCVG Instruction Manual



Complete Set of Quantum CIPS Pipe to Soil Potential Equipment

Satellite Synchronised Version III. Interrupters
Quantum Data Logger
CIPS Probe Handles (Plain)
Copper Sulphate Reference Probes
Satellite Aerials (3 Inters / 1 Quantum)
Quantum Right Hand Connection Leads
Quantum Left Hand Connection Leads
120/240 Volt Battery Charger
Quantum Battery Charger
Quantum Battery Pack (1 x 12V Battery)
Quantum - Computer Connection Lead
Battery Charger Adaptor Leads
DCVG Remote Earth Cable
Interrupter Battery Cable
Quantum Aerial Battery Cable
Probe Handles CIPS Connection Lead
Shorting Out Cable
Wire Dispenser Frame / Harness (complete)
Cable Dispenser to Quantum Lead
Wooden Probe Tips Holders
Probe Tip Washers
Wooden Probe Tips
PTFE Sealing Tape
Probe Filler Bottle
Copper Sulphate Crystals (JAR)
12.5cm Empty Wire Reels
Reel Holding Spindle for Winding Wire
Equipment Carry Case
Probe Carry Case
Quantum Download Program CD
Combined DCVG & CIPS Method Statement
Quantum Equipment Instruction Manual



Survey Specifications:

- a) DCVG Specification
- b) CIPS Specification
- c) Combined DCVG & CIPS Specification
- d) Combined DCVG, CIPS and Metal Loss Specification

Software:

- a) CIPS Software
- b) DCVG Software
- c) Combined CIPS & DCVG Software
- d) CP Analysis Software
- e) Tank and Jetty CP Monitoring Software
- f) Pipeline Rehabilitation Software
- g) Excavation Compiler Software
- h) PRIMAS II; Also Direct Assessment Software (ECDA)



**To Obtain Further Information Regarding Any Of The Products
In This Brochure Please Contact DCVG LTD.**

