



Hexcorder PRO ***CIPS/DCVG/GIS Survey System***



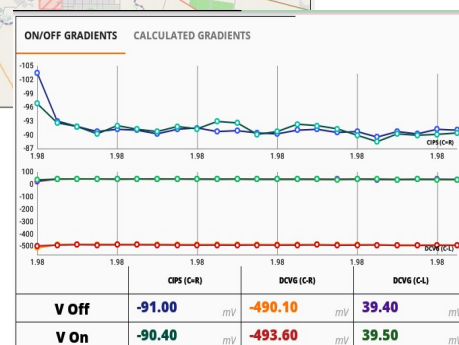
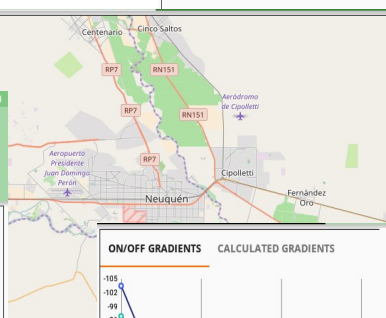
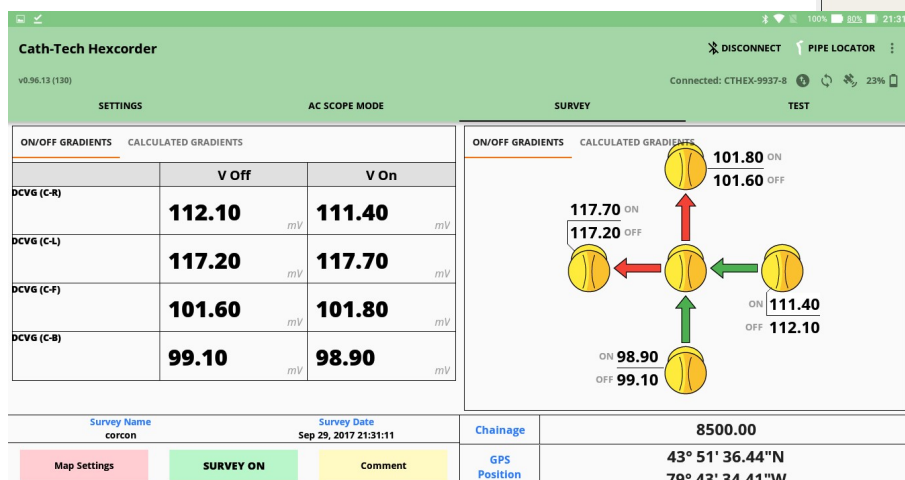
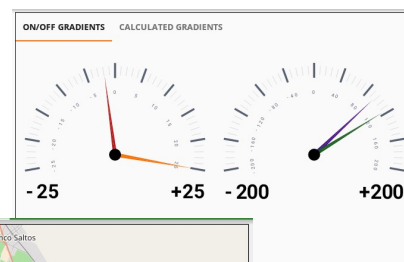
Benefits

- Can perform three different types of survey at the same time, CIPS, DCVG and GIS mapping
 - All data obtained at the same place & time under the same field conditions
 - Easily correlate cathodic protection data with coating integrity data to better prioritize remediation
 - Stored waveforms allow the user to capture electrical interference
 - GPS location data can be imported into mapping software
 - Available integration with Bluetooth enabled pipe locators allows storage of depth of cover and signal strength data
 - PODS compatible data stored as a .csv text file
 - ⇒ **No special software required**
 - ⇒ Easy to open and graph in any standard spreadsheet or import into your database program
 - Software upgradeable by customer
 - Optional sub-meter GPS with <10cm global precision available
 - Optional custom tailored on-site survey training is available
 - Comprehensive 2 year warranty!
- 
- 
- VIP MATERIALS PERFORMANCE**
- CORROSION**
INNOVATION OF THE YEAR AWARDS
- WINNER 2019 -**



User Experience

- Purpose built by corrosion professionals for corrosion professionals
- Large rugged Mil Spec touchscreen tablet user interface
- Custom graphics based App, easy to navigate, easy to learn
- Multiple languages supported
- View any 2 of 5 available screens,
⇒ Table, Graph, Map, Bird's Eye, Analog Gauge



Cathodic Technology Limited
15-1 Marconi Court, Bolton,
Ontario, Canada L7E 1E2

Phone (905) 857-1050
Fax (905) 857-3499

www.cath-tech.com
ctl@cath-tech.com



Hexcorder PRO CIPS/DCVG/GIS Survey System

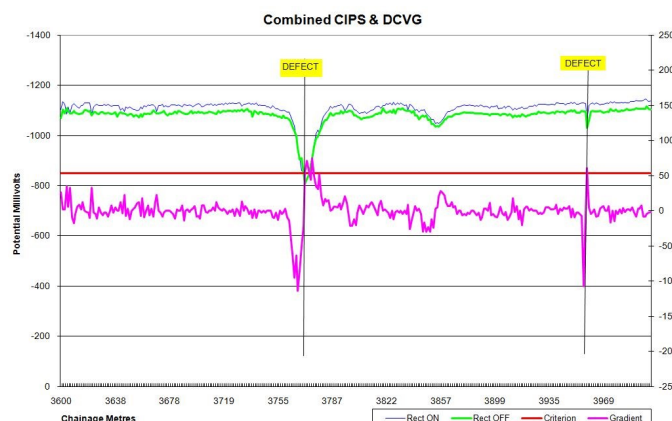


Included

- Hexcorder Pro assembly with integrated tablet
- Wire dispenser with one spool of survey wire
- Choice of:
 - ⇒ Hip pack - short surveys, urban areas
 - ♦ 2 km (1.25 mile) survey wire
 - ⇒ Back pack - long, across country surveys
 - ♦ 16 km (10 mile) survey wire
- 2 x half cell extension poles
- 2 x Cu/CuSO₄ reference electrodes
- Ergonomic four point shoulder harness
- Survey pole and wire dispenser cables
- WAAS enabled GPS antenna
- Universal AC chargers for Hexcorder Pro and tablet
- USB cable
- Rugged carrying case
- Operation manual

Features

- 10 different survey modes including Close Interval (CIPS), multiple DCVG channels, multiple impedance
- Work with interruption cycles as fast as 1 second
- User customizable alarms for change in potential, DCVG indication & broken trailing wire can be enabled to help ensure data integrity
- Records chainage, date, time, altitude and GPS location data with each reading
- Integrate with all Bluetooth enabled Radio Detection and Vivax Metrotech pipe locators to store depth of cover and signal strength data with CIPS & DCVG readings
- Active AC filter to remove the effect of induced AC up to 100V
- Run time of Hexcorder Pro is 24 hours, tablet is 11 hours under field conditions, optional extra batteries are available for the tablet
- Rugged, sealed, quick connect push-pull connectors
- Reads and stores waveforms
- Comments can be easily entered into the data stream
- User programmable GPS offset to work in local time
- App support multiple languages
- Designed to satisfy IP65 and EN61010 standards
- Comprehensive 2 year warranty



Hexcorder PRO

CIPS/DCVG/GIS Survey System

Technical Specification**

- Range: CIPS: +/- 5 V DC, DCVG: +/- 500mV DC
- Resolution: 0.1 mV DC for all readings
- Memory Capacity: Supplied with 4 GB or larger micro SD card
- CIPS Impedance: 25 M Ohm or 250 M Ohm
- DCVG Impedance: 15 M Ohm
- AC Rejection: -90 dB at 60 Hz, <3mV DC error at 100 V AC RMS superimposed
- Case: ABS plastic, designed for IP65
- Instrument Size: Hexcorder Pro with tablet assembly 30 x 25 x 10 cm @ 2.7 Kg
- Connectors: IP67 rated, push-pull
- Battery: Lithium Ion, 3.7V 33Whr = approx. 24 hours run time
- Communications: USB 2.0, 2 x Bluetooth 2.0
- GPS: Fully integrated WAAS GPS antenna
- Shipping Dims: Hip pack system as 1 piece 10 x 10 x 120 cm @ 2.8 Kg
+ 1 piece 53 x 23 x 45 cm @ 9.8 Kg
Backpack system as 1 piece 108 x 45 x 38 cm @ 24 Kg

Tablet Specification**

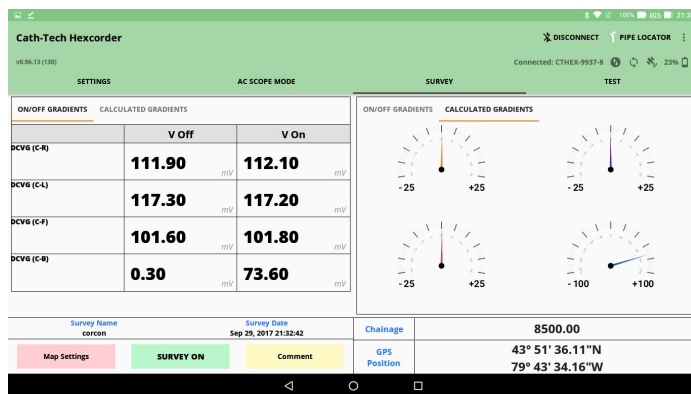
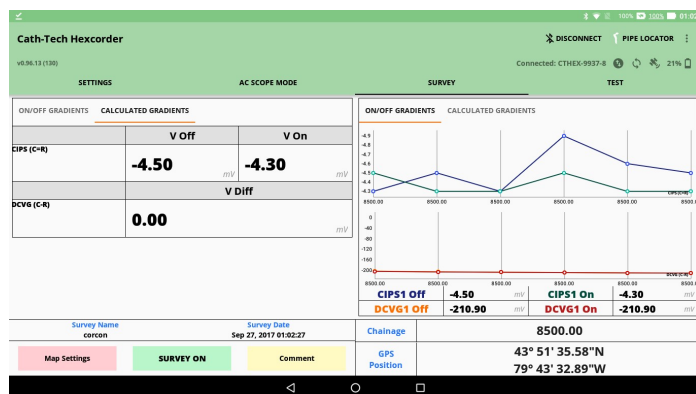
- Ratings: Ruggedized, MIL-STD-810G and IP65
- Operating System: Android 5.1 Lollipop
- Memory: 4 GB RAM, 64 GB SSD
- Display: 10.1" WXGA (1366 x 768)
- Primary Battery: Lithium Ion, 39 Whr
- Secondary Battery: Lithium Ion, 59 Whr, hot swappable = approx. 11 hours run time under normal operating conditions
- Communications: Wireless LAN 802.11ac, Bluetooth 4.0
- Ports: DC power, 2 x USB 3.0, Micro SDXC, Micro HDMI, Headphones
- Camera: 5 MP rear with flash, 2 MP front



** Specifications subject to change without notice

10 Survey Modes

Survey Type	Measures	Benefit
CIPS / CIS	Standard close interval survey	Evaluate the level of Cathodic Protection (CP)
DCVG	Standard DCVG survey	Evaluate the coating condition
CIPS + DCVG	Combined CIPS and DCVG survey	Evaluate CP and coating in one pass
2 channel DCVG	DCVG survey in two directions, Left & Right)	Confirm defect location & current flow - useful in areas with a lot of stray current
CIPS + 2 channel DCVG	Add CP evaluation to 2 channel DCVG	Also called Side Drain Survey
4 channel DCVG	DCVG in 4 directions; left, right, front, rear	For complex survey areas to pinpoint the coating defect
Double impedance CIPS	Each CP reading is taken at both input impedances,	Calculate the true polarized potential - very useful in high resistivity soils
Double impedance CIPS + DCVG	Double impedance CP survey with DCVG	Add coating evaluation to a true potential survey
Parallel CIPS	Evaluate CP on two parallel, electrically connected pipelines	Perform two surveys with one instrument
Double impedance CIPS + 2 channel DCVG	Add 2 DCVG readings to double impedance CP survey	Calculate the true potential and confirm defect location in areas of stray current



Distributed By: