



***CIPS , DCVG & GPCM Pipeline Surveyor***  
***Corrosion Control Equipment***

**Electronic Pipeline Technology**

153 Milos Road Richmond Hill, Ontario, Canada, L4C 0P8

Tel: (905) 918-0025

Fax: (905) 918-0033

[www.ep-tech.ca](http://www.ep-tech.ca)

E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)

# Current Interrupter

## GPS Synchronized

**Models:**  
EPT/ CI- 30  
EPT/ CI- 50  
EPT/ CI- 100  
EPT/ CI- 200



### DESCRIPTION:

Current Interrupters need to turn ON and OFF the Rectifiers for cathodic protection test. Measurement ON and OFF potential shows a good explanation of the level of pipeline protection. We manufacture different ranges of GPS Current Interrupters. They are “15, 35, 50, 100, 200, and 300” AMP AC or DC with 600 volts.

### FEATURES:

- 12 satellites visible and it works in all parts of the world
- Magnet mounts GPS Antenna.
- GPS lock indicator
- GPS coordinates, date, time available on the LCD
- Programmable Cycles from 1 to 120 seconds and from 0.2 to 10 seconds OFF time
- Manual and GPS Synchronized Mode and Compatible with NACE Standard Logic
- Night Latch programmer
- Interrupt AC or DC with the same connectors without dropping voltages.
- 12 volt Rechargeable long life Battery
- Resynchronized every minute
- Waterproof and heavy-duty box
- 1 year Warranty from against defective component and faulty workmanship
- 5 program capability
- Programmable start and stop time
- Programmable start and stop date
- Hold Rectifier power ON when not interrupting

**“Designed for the field, not the lab”  
Simple, Accurate & Professional**



**Electronic Pipeline Technology - 153 Milos Road, Richmond Hill, Ontario, Canada, L4E 0M8**

Tel: (905) 918-0025 Fax: (905) 918-0033 E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)

[www.ep-tech.ca](http://www.ep-tech.ca)

# DCVG HOLIDAY DETECTOR

Model "EPT-4000"



## APPLICATION:

It is powerful and an accurate equipment for detecting and tracking the escaping currents of pipelines.

## DESCRIPTION:

Sophisticated electronic Milli voltmeter with a 20000 Mega-Ohm input resistance. Analog DCVG Holiday detector is able to detect very low voltage gradients and provide an easy method of finding any coating defect in a pipeline by using analog panel meter. Not only DCVG Holiday Detector is able to show ON and OFF voltage gradient of the pipeline, but it's also able to show the difference between ON and OFF in interruption mode.

## FEATURES:

- Robust and fully portable
- Waterproof box
- Highly accurate of finding Coating defect
- Ability to find 1 "millivolt" voltage gradient
- Ability to work as a direction current detector
- Easy to use in deserts, on asphalt or concrete
- Highest input resistance in the world (20000 Mega Ohm)
- Stabilized and filtrated against AC and stray currents.
- Locates electrical short circuits
- Flexible pogo sticks
- High impedance Reference Electrodes (Cu/CuSO<sub>4</sub>)
- Chargeable Batteries and Indicators



**"Designed for the field, not the lab"**  
**Simple, Accurate & Professional**



**Electronic Pipeline Technology** - 153 Milos Road, Richmond Hill, Ontario, Canada, L4E 0M8

Tel: (905) 918-0025 Fax: (905) 918-0033 E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)

[www.ep-tech.ca](http://www.ep-tech.ca)

# GPS SYNCHRONIZED SMART DATA LOGGER

Model "EPT/SMA-4000"



## DESCRIPTION:

Sophisticated GPS Synchronized Data logger equipped with GPS Engine that can accurately measure synchronizing 100 ms after the Rectifier ON and OFF potential. Each reading stamped with GPS coordinates, number of readings and UTC time. By using this information and its graph, the operator will be able to monitor the GPS Synchronization of the rectifier's interruption, Monitoring Pipeline to soil Potential, GPS Coordinates, stray and telluric correction.

## FEATURES:

- Large 240 X 64 Graphics Color LCD Display and 28 tactile keys Keypad
- Sampling 1– 30 seconds in GPS Sync mode and 1- 64000 seconds in local logging mode
- 12 Satellite GPS Engine visible all around the world. WASS enabled, UTC time option
- 2GB flash Memory, and ability to download information, to computer by EP-TECH computer software
- EP-TECH Graph software and ability to work, analyze the information or export to EXCEL
- Ability to work with any other interrupter that use the NACE standard Interruption logic
- High input impedance (2000 Mega ohm)
- Internal independent clock with option to select UTC or local time.
- No interruption, High and Low, and GPS Synchronized logging mode option
- Data logger with 4 independent channels equipped with active filters
- Rugged Pelican Case
- GPS engine, CuCuSo4 electrode, Nickel Metal Hydride, Battery charger, cables, and manual instruction

**"Designed for the field, not the lab"**  
**Simple, Accurate & Professional**



**Electronic Pipeline Technology - 153 Milos Road, Richmond Hill, Ontario, Canada, L4E 0M8**

Tel: (905) 918-0025 Fax: (905) 918-0033 E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)

[www.ep-tech.ca](http://www.ep-tech.ca)



**Model "EPT/HEX-4000"**  
**CIPS, DCVG, and Data Logger GPS Survey Instrument**

## CIPS, DCVG, and Data Logger GPS Survey Instrument



- Large 240 X 64 Graphics Color LCD Display and 28 tactile keys Keypad
- Sampling rate 1– 10 seconds Cycles and 0.2- 6 seconds OFF in survey and 1- 64000 seconds in local logging mod
- 12 Satellite GPS engine visible all around the world, WASS enable, UTC time option
- 2GB MMC Memory , and ability to download information, to your personal computer
- Ability to work and analyze the information in EXCEL or its software
- Ability to work with any other interrupter that use the NACE standard Interruption logic
- GPS Data logger in survey (CIPS, DCVG, and CIPS +DCVG)
- High input impedance (2000 Mega ohm)
- No interruption, High and Low, and GPS Synchronized survey options
- Local Data logger with 4 independent channels equipped with active filters to reject the power line interference
- Rugged Aluminum Case
- Includes: GPS mounted backpack wire dispenser, two half cell extension poles with CuCuSo4, universal battery charger, cables, carrying case, manual, and one spool of survey wire.

**www.ep-tech.ca**

# GPS PIPELINE CURRENT MAPPER

Model "EPT/GCM-4000"



## DESCRIPTION:

The GPS Pipeline Current Mapper "GPCM" measures the distribution of an impressed test current on a Pipeline network. By measuring the pipeline Magnetic field, it's able to measure pipeline current flow. It is an accurate method of mapping and evaluating the loss of cathodic protection current. The GPCM measures the current magnitude and direction without any connection. Interrupter creates the easiest method to change the CP potential to a transmitter signal. This is a Pipeline interruption locator and locates the pipeline by using the LCD Bar graph. GPCM Data logger flash memory is 2000 Mb. USB interface Port allows data to be downloaded. EP-TECH computer software has the ability to graph and present saved data verses number of readings or distance. GPS Coordinates automatically will be saved for all reading. It is an easy way to map the pipeline by using 'GPS option'.

## FEATURES:

- Input voltage Ni MH 7.2 volt/ 4000MA, Large 240 x 64 LCD Display Graphics
- Max Current with GPS 100 MA, Memory Capacity : 2GB (2000 MB)
- Ability survey Tag information, Internal clock: separate Lithium Battery
- Keypad : 7 x 4 tactile Switch keypad, AC Active filter -73db for 50/60 HZ
- Differential input with two separate channels for survey, Range of measurement: 5000 MA
- EP-Tech software, ability to export data to Excel Spreadsheet, Graph ability with GPCM "EP-Tech" Software
- Magnetometer for Magnetic field measurements, LCD Bar graph for locating the pipeline and Current Direction
- Universal charger current, constant current 400 MA
- Graph Zooming ability with Graphic features
- Direct Current Gradient "Frame Method" for fault location
- Graph saved data information option in the field
- Size of the unit: 182x 182 x 63 mm Aluminum box

**"Designed for the field, not the lab"**  
**Simple, Accurate & Professional**

**EP-TECH**



**Corrosion Control Equipment**

**Electronic Pipeline Technology - 153 Milos Road, Richmond Hill, Ontario, Canada, L4E 0M8**

Tel: (905) 918-0025 Fax: (905) 918-0033 E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)

[www.ep-tech.ca](http://www.ep-tech.ca)

# SOIL TEST RESISTANCE METER

Model "EPT/124F"



## DESCRIPTION:

Sophisticated electronic digital null meter, the Soil Test Resistance is used to measure soil resistivity and determine optimum location for earth Electrodes and Anodes.

## FEATURES:

- Wide Range selection from 0.01 to 1 Mega ohm with three digit selectors
- Automatic excellent Sensitivity
- Able to work in the lab or in the field
- Highly Accurate
- Rechargeable NCD Battery
- Digital Panel Meter
- Stabilized and filtered input
- Low consumption rate
- Compatible to use with 4, 3, or 2 pins method
- Operates on 124 HZ for maximum AC rejection
- Waterproof box
- Temperature Stabilized
- Automatic shut down

**"Designed for the field, not the lab"**  
**Simple, Accurate & Professional**



**Electronic Pipeline Technology - 153 Milos Road, Richmond Hill, Ontario, Canada, L4E 0M8**

Tel: (905) 918-0025 Fax: (905) 918-0033 E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)

[www.ep-tech.ca](http://www.ep-tech.ca)



# PIPE AND CABLE LOCATOR

Model "EPT-1000"



## DESCRIPTION:

Sophisticated Electronic Receiver is equipped with a search coil and able detect coated pipeline signal for a great long distance by using null method theory. Transmitter conductively connected to the pipe by a remote ground and equipped with Interruption mode to eliminate noise and stray currents. The Transmitter has different output levels to match the impedance to all soil conditions.

## FEATURES:

- Crystal Controlled Oscillator
- Equipped with Analog Meter and Audio Alarm
- 32 Watt Dual transmitter frequency 745 HZ and 4Hz
- Automatic Excellent Sensitivity
- Ability to measure depth of pipelines approximately
- Simple and highly accurate
- Rechargeable Nickel Cadmium Batteries
- Stabilized and filtered
- Low consumption rate
- Temperature Frequency Stabilized

**"Designed for the field, not the lab"**  
**Simple, Accurate & Professional**



**Electronic Pipeline Technology - 153 Milos Road, Richmond Hill, Ontario, Canada, L4E 0M8**

Tel: (905) 918-0025 Fax: (905) 918-0033 E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)

[www.ep-tech.ca](http://www.ep-tech.ca)



# PEARSON HOLIDAY DETECTOR

Model "EPT-1000C"



## DESCRIPTION:

Sophisticated electronic Receiver with high input resistance is able to detect low audio AC voltage gradients (ACVG) and provide easy method of finding any coat defect or short location in a pipeline or cable. Audio powerful Transmitter is connected to the pipeline or cable. The operators are able to select the output to send maximum energy to the pipeline or buried cable by using panel meter. The Receiver is equipped with two visual and audio indicators that show the direction of the escaping current from the defects.

## FEATURES:

- Robust and fully portable
- Waterproof box
- Highly accurate method of finding Holidays
- Easy to use by two operators
- High input resistance
- Stabilized and filtrated input
- Adjustable pogo sticks
- Ability to work with parallel pogo sticks or cleat shoes
- Chargeable Batteries
- Low consumption rate
- One year limited warranty

**"Designed for the field, not the lab"**  
**Simple, Accurate & Professional**



# HOLIDAY DETECTOR

## Models:

EPT/AC- 16  
EPT/AC- 20  
EPT/AC- 25  
EPT/AC- 30



## APPLICATIONS:

- High voltage coating inspection on oil, gas, and water pipelines
- Inspection of coating on concrete, storage, tank, water and sewage treatment facilities
- Inspection of various thickness coating on steel, chemical reactor or storages

## FEATURES:

- Simple, accurate and precise
- Robust and fully portable
- Digital or analog display of output High voltage to 0.1 KV
- 16- 20- 30 KV models available
- Fully adjustable output metering
- Audio and visual alarm
- Power On alarm Indicator
- Low battery indicator
- Rechargeable Battery
- Low current consumption, long life Battery
- Adjustable sensitivity for dry or wet conditions
- Lightweight and rugged instrument

**“Designed for the field, not the lab”**  
**Simple, Accurate & Professional**



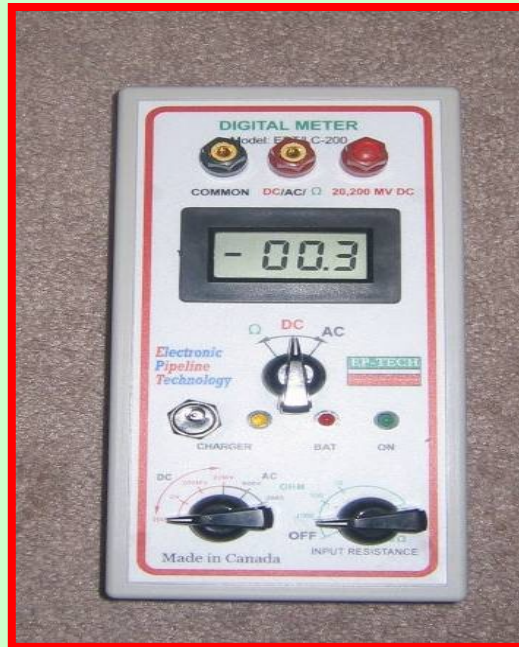
**Electronic Pipeline Technology - 153 Milos Road, Richmond Hill, Ontario, Canada, L4E 0M8**

**Tel: (905) 918-0025 Fax: (905) 918-0033 E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)**

**[www.ep-tech.ca](http://www.ep-tech.ca)**

# DIGITAL CP MULTIMETER

Model "EPT/LC-200"



## DESCRIPTION:

This equipment is used for cathodic protection monitoring in the field. This voltmeter is protected against AC power lines or telluric stray current and suitable for potential survey DC and AC of the Pipeline Test Points.

## FEATURES:

- High input impedance selectable from 25, 50, 100, 250, 1000 Mega Ohm
- DC volt 0- 20 MV, 200 MV, 0- 2 v, 0-200 V
- DC Current 0- 20mA , 0- 200mA, by using 1 Ohm External Shunt and 0-10 A or 0-100
- AC Mode 750 V
- Resistance measurement 0- 2000 ohm
- Resolution for DC mode 0.01 MV, 0.10 MV, 1.00 MV, 0.1 V
- Resolution for AC mode 1 V
- Low Battery consumption
- 3.6-volt NCD Battery with charger
- One year limited warranty
- External shunt 1 ohm 1mv =1 mA
- Heavy duty suitable aluminum case with foam for boxing and Carrying
- Battery test indicator
- Ac Rejection -60db or 1/1000
- 3-1/2" DLCD Liquid Crystal Meter
- Battery test indicator

**"Designed for the field, not the lab"**  
**Simple, Accurate & Professional**



**Electronic Pipeline Technology - 153 Milos Road, Richmond Hill, Ontario, Canada, L4E 0M8**

Tel: (905) 918-0025 Fax: (905) 918-0033 E-mail: [sales@ep-tech.ca](mailto:sales@ep-tech.ca)

[www.ep-tech.ca](http://www.ep-tech.ca)