

Localizador de tuberías PCMX

Integridad de la tubería y control de corrosión

Radiodetección "El sistema PCMX S permite a los expertos de la corrosión y los sistemas de protección catódica (CPS) evaluar la condición y la efectividad de los recubrimientos de la tubería. Los usuarios pueden identificar defectos en recubrimientos y vacaciones, y cortocircuitos causados por el contacto con otras estructuras. Nuestros transmisores portátiles de 25W han hecho Grandes avances en portabilidad y facilidad de uso.



Remove the foot
for a fully functioning
RD8100PDLG locator



PCMX permite a los administradores de tuberías identificar y priorizar el mantenimiento preventivo de las tuberías. Prolonga la vida útil de sus activos identificando potencialmente la corrosión temprano.

PCM_x: the faster, more convenient survey system for corrosion control

Working alongside industry experts, Radiodetection pioneered the first Pipeline Current Mapper over 20 years ago. It enabled surveyors to identify possible sources of external corrosion on inaccessible pipelines, including those buried beneath rivers and highways. Since then, it has become the tool of choice for many organisations to locate and pinpoint pipeline coating defects.

PCM_x builds on this pedigree, harnessing the power of Radiodetection's most advanced locator technologies to deliver faster results, simultaneous survey measurements, and integrated GPS positioning.



Faster surveying for quicker results

Increasing number of pipelines, aging infrastructures and more rigorous guidelines result in growing pressure for corrosion specialists to complete surveys and analyse results quicker. The new PCM_x system has been designed to meet these challenges with faster measurements and greater portability.

One second mapping measurements

With each mapping measurement now only taking one second, survey times are reduced. Integrated GPS ensures each measurement is captured with positional data.

Two surveys in one pass of the pipeline

Conduct both ACCA and ACVG surveys with one pass of the pipeline. PCM_x allows you to collect both measurement types simultaneously, reducing survey time and getting results faster.

More information at your fingertips

Radiodetection's Peak+ technology guides you to your target pipeline quicker while the compass display ensures correct alignment. Simultaneous depth and current measurements give you confidence you are following the correct line.

Faster results

A mobile (Android) companion app allows users to chart results in the field improving on-site analysis. Walk back and walk forward features gets you to your next measurement quicker. An additional PC app offers improved charting tools.

Improved ergonomics

With a balanced design and lighter weight, (2.2kg, 4.8lb), the receiver is easier to carry over long distances. The convenience of a Li-Ion rechargeable battery pack ensures extended runtime.

Este sistema se puede utilizar para llevar a cabo investigaciones ACCA y ACVG de acuerdo con ANSI/NACE SP0502-2010, "Implementación estándar de métodos de evaluación de corrosión de tubería directa". Estas investigaciones se pueden realizar individualmente o simultáneamente y pueden usarse para identificar e identificar defectos en el recubrimiento, o para identificar cortocircuitos causados por el contacto con otras estructuras.

La eliminación del pie extraíble deja el tubo y el localizador de cable RD8100PDLG con funciones completas. La profundidad de la cobertura y los datos de ubicación del GPS también se capturan.

Light weight and ergonomic design for comfortable use

Built-in GPS

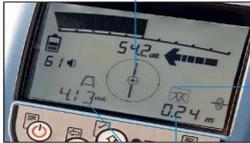
Automatic capture of GPS co-ordinates on survey logs

Li-Ion rechargeable battery pack

Prolongs working time in the field

Compass

For ease and speed on pipeline alignment



Peak+ antenna mode

Combine Peak mode with Null or Guidance arrows to make surveys quicker

Simultaneous display of current and depth gives more confidence you are following the correct pipeline

Remove the foot for a fully functioning RD8100PDLG locator



Enhanced self test

The integrity of the measurement system can be confirmed on-site. Self-test applies signals to the locating circuitry as well as checking display and power functions

3 YEAR WARRANTY ON REGISTRATION AND A GLOBAL SERVICE NETWORK PROVIDE PEACE OF MIND

Transmitters for distribution and transmission lines

For distribution lines, the Tx-25PCM delivers up to 1 Amp of output. This lighter, battery powered transmitter provides extra portability and flexibility in the field. An additional 8kHz high frequency locate signal is provided for long distance, high impedance utility locating.

The long range Tx-150PCM transmitter is ideal for transmission lines with up to 3 Amp output and a signal range of up to 19 miles (30km).



One second mapping measurements combined with simultaneous ACCA and ACVG data gathering makes surveying faster.



Tx-25PCM, the 1 Amp signal output transmitter offering rechargeable battery flexibility.



PCMx mobile app improves on-site analysis, allowing you to review results as you go.

Opciones de encuesta simultánea

Los usuarios seleccionan encuestas ACVG y ACCA simultáneamente o individualmente.

Mejoras ergonómicas

El receptor pesa solo 4.9 libras (2.2 kg), lo que hace que sea fácil de usar todo el día.

Pies extraíbles

El localizador de tuberías y cable RD8100 premium totalmente destacado permanece intacto.

1 segundo medición de mapeo

Ahorre tiempo y dinero.

GPS integrado

Captura automática de coordenadas GPS en el registro de la encuesta.

Profundidad de la cubierta

La profundidad de la tubería se registra junto con datos de corriente, voltaje y GPS.

Aplicación acompañante de Android

Puede crear gráficos en movimiento, incluido Walkback y caminar hacia adelante.

Aplicación de PC

Proporciona herramientas gráficas mejoradas.

cima

Localice rápidamente la ubicación con las flechas de la guía y las flechas nulas verifican la distorsión.

Nuevo TX-25

Este pequeño transmisor liviano con una batería recargable lo hace ideal para redes de distribución de energía.

TX-150

Envía una señal de 19 millas (30 km) para tuberías de transmisión de larga distancia.

Testimas mejoradas

Verifique la calibración del receptor y brinde a los usuarios de campo una sensación de seguridad.

ecertificado

PCM Manager Utilice el software PC para validar y autenticar la calibración del receptor PCMX.

Software y aplicaciones

Aplicación móvil para teléfonos o tabletas Android (transferencia de datos a través de Bluetooth)

Aplicación de PC para PC (transferencia de datos a través de USB)

PCMx Pipeline Current Mapper Specification

1. Product Summary

1.1	Product Overview:	PCMx is a multi-purpose Pipeline Current Mapper and precision locator. With the magnetometer foot attached the PCMx can be used to conduct pipeline coating surveys including ACCA, ACVG and depth of cover. With the foot removed the PCMx is a precision locator with the functionality of an RDB100PDLG
1.2	Product Descriptions:	Pipeline Current Mapper Multi-purpose Pipeline Current Mapper and Precision Locator Cable and Pipe Precision Locator
1.3	Intended Use:	Detecting and pinpointing coating faults on buried pipes and cables Creating survey records of buried pipes and cable locations Locating the position / path, and centerline depth of buried pipes and cables
1.4	Standard Equipment:	Locator including removable magnetometer foot Li-Ion rechargeable battery pack and mains charger Quick Start User Guide Mini USB 2.0 compliant data cable

2. Performance

2.1	Sensitivity:	2mA at 1 meter (4Hz magnetometer) 5µA at 1 meter (33kHz locate)
2.2	Dynamic range:	140dB RMS/√Hz
2.3	Selectivity:	120dB
2.4	Depth measurement precision ¹ :	± 3% @ 2 meters and ± 5% @ 3 meters
2.5	Locate accuracy:	± 5% of depth
2.6	4Hz current accuracy:	± 5% @ 1 meter depth with 1 Amp
2.7	Active locate filter bandwidth:	± 3Hz, 0 < 1kHz ± 10Hz, ≥1kHz
2.8	Start-up time:	<1 second
2.9	Maximum depth readout ² :	Metric: Cable / Pipe: 30m Sonde: 20m Imperial: Cable / Pipe: 98' Sonde: 65'