

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 PCMx 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. PCMx 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.





Product Summary

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 RD8100PDLG
Product Descriptions	Pipeline Current Mapper Multi-purpose Pipeline Current Mapper and Precision Locator Cable and Pipe Precision Locator
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
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

Performance

Sensitivity	2mA at 1 meter (4Hz magnetometer) 5µA at 1 meter (33kHz locate)
Dynamic range	140dB RMS/√Hz
Selectivity	120dB
Depth measurement precision	± 3% @ 2 meters and ± 5% @ 3 meters
Locate accuracy	± 5% of depth
4Hz current accuracy	± 5% @ 1 meter depth with 1 Amp
Active locate filter bandwidth	± 3Hz, 0 < 1kHz ± 10Hz, ≥1kHz
Start-up time	<1 second

Maximum depth readout	Metric: Cable / Pipe: 30m Imperial: Cable / Pipe: 98'	Sonde: 20m Sonde: 65'
-----------------------	--	--------------------------