

MicroCorr DX

Digital Leak Noise Correlator



Halma Water Management



Introduction

MicroCorr Dx brings full digital correlation at pricing usually associated with analogue leak noise correlators. The highest levels of performance are realised through the latest digital sensors, radio transmission and processing.

The sensors ensure the integrity of signal by digitising at the point of noise pick-up; digital radio transmission protects the quality of data for processing at the central unit. Full digital correlation is particularly important for traditionally difficult leak detection situations such as on non-metallic pipelines.

The system is easy to use, rugged and yet compact, with all components supplied in a single carry satchel.



Features

- Full digital system; sensors, transmission and processing
- Easy to use
- Purpose designed, rugged housings
- Compact – supplied in a single carry satchel
- High visibility monochrome display
- Advanced correlation features
- Post-processing and PC download
- FFT filter analysis
- Field replaceable batteries
- Outstation status indication at central unit
- Military specification connectors
- Multiple language options

Scope of supply

The system is supplied in a carry satchel with two digital outstations, two digital accelerometer sensors, central processing unit, interconnecting leads, antennae, charger and manual.

A full range of accessories including digital hydrophone sensors is available and detailed on the separate accessory list.



For more information call +44 (0) 1633 489479
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PRODUCT SPECIFICATION

Base Station

Process	Full digital correlation
Frequency response	0.1 to 5000Hz
Filter selection	Automatic with pipe characteristics Manual setting if required
Resolution	±0.1m
Display	Backlit Monochrome
Antennae	External antenna/magmount option
Mixed material	6 sections
Correlation files	Up to 30 files stored
Battery level indication	For all system units on CPU
Battery type	Rechargeable Lithium ion batteries, field replaceable
Battery life	>8 hours continuous use
Key functions	Combined correlation/survey mode Frequency analysis Peak suppression Data replay for post processing Velocity measurement User definable pipe types and velocities
Language	Selectable via menu
Printer output	RS232 to parallel printer
PC download	Via PC software, Windows compatible
Dimensions	220mm x 250 x 100mm
Weight	1.8Kg
Operating temperature	-15°C to +50°C
Environmental	IP65
Enclosure	Fully injection-moulded ABS
Connectors	Military specification
Diagnostics	Self-test and auto-calibration on power-on

Out Station

Radio communication	Single frequency digital transceiver
Radio frequency	UHF (local regulations apply)
Controls	ON/OFF (all functions remotely controlled and monitored from Base station) with LED status light
Connections	Headphones External antenna Charger
Battery type	Rechargeable Lithium ion batteries, field replaceable
Battery life	>8 hours
Antenna	External antenna/magmount option
Dimensions	206 x 167 x 86mm
Weight	1kg
Environmental	Weatherproof IP65
Housing	Fully injection-moulded ABS
Connectors	Military specification

Sensor

Type	Digital sensor with integral high strength magnet
Frequency range	0.1 to 5000Hz
Dimensions	180mm x 50mm diameter
Weight	1kg
Environmental	IP68, rubber shroud for shock protection
Connection to Out Station	2m cable with strain relief Military specification connector

HWM reserve the right to change the specification of any product without prior notice.

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