

# MicroCALL +

## Digital Leak Noise Correlator



Halma Water Management



### Introduction

The new MicroCorr MicroCALL+ combines the power, graphics and ease of use of a PC based leak noise Correlator. The unit features a high visibility colour display with advanced software including automatic 3-outstation functionality for improved pinpointing results and reduced dry holes. New radio outstations are available to give more compact packaging and portability.



The system builds on the proven reputation of MicroCorr Correlators and includes advanced features only



previously available in Palmer's DigiCALL PC based unit, to maximise performance, ease of use and rugged compact packaging for daily deployment.

### Features

- PC functionality in a dedicated unit
- New base station and outstations
- Automatic 3 outstation correlation  
Auto velocity measurement  
Less dry holes
- High visibility colour screen
- Enhanced graphics and ease of use
- Multi-filtering - auto correlation across the filter range



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or visit [www.hwm-water.com](http://www.hwm-water.com)

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## PRODUCT SPECIFICATION

Fully digital leak noise correlator featuring purpose designed rugged housings, available with 1, 2 or 3 radio outstations.

### CONTROL UNIT

<b>Process</b>	Full digital correlation
<b>Filter selection</b>	Multi-filtering Pipe-data related default settings Manual setting if required
<b>Resolution</b>	± 0.1m
<b>Display</b>	<b>Full Colour VGA</b>
<b>Size of Screen</b>	<b>6.5"</b>
<b>Antennae</b>	External antenna/magmount
<b>Mixed material</b>	Up to 6 sections
<b>Correlation files</b>	Up to 100 files stored
<b>Bat. level indication</b>	On central unit for CPU and outstations
<b>Battery type</b>	Rechargeable Lithium ion batteries, field replaceable
<b>Battery life</b>	8 hours
<b>Type of keypad</b>	Elastomeric Membrane
<b>Key functions</b>	Full post-processing Combined correlation/survey mode Listen (acoustic survey) Frequency analysis Peak suppression Multi-filtering Auto velocity measurement with tricorrelation option User definable pipe types & velocities
<b>Language</b>	Selectable via menu
<b>Operating software</b>	<b>Windows CE. Using floating point arithmetic, high resolution viewing display</b> User upgradeable from <a href="http://www.palmer.co.uk">www.palmer.co.uk</a> .
<b>Printer output</b>	RS232 to parallel printer
<b>PC download</b>	Via PC software, Windows-compatible software with Post processing capability
<b>Dimensions</b>	<b>Height to Top: 261mm Width: 185mm Depth: 88mm</b>
<b>Weight</b>	1.8kg
<b>Operating temp.</b>	-15°C to +50°C
<b>Environmental</b>	IP65

<b>Enclosure</b>	Fully injection-moulded ABS
<b>Connectors</b>	Military specification Amphenol
<b>Diagnostics</b>	Self-test and auto-calibration on power-on

### OUTSTATION

Optional 1, 2 or 3 Radio Outstation Systems	
<b>Radio comms</b>	Fully digital transceiver
<b>Radio frequency</b>	UHF (local regulations apply) Digital Radio
<b>Controls</b>	ON/OFF (all functions remotely controlled and monitored from Control Unit) with LED status light
<b>Connections</b>	Headphones External antenna
<b>Battery type</b>	Rechargeable Lithium ion batteries, field replaceable
<b>Battery life</b>	8 hours
<b>Antenna</b>	External antenna
<b>Portability</b>	Integral sensor stowage
<b>Dimensions</b>	L 183mm W 135mm D 50mm
<b>Weight</b>	875.6grams
<b>Environmental</b>	IP65
<b>Housing</b>	Fully injection-moulded ABS
<b>Connectors</b>	Military specification Amphenol

### SENSOR

<b>Type</b>	Digital sensor with integral high strength magnet
<b>Dimensions</b>	180mm x 50mm diameter
<b>Weight</b>	1kg
<b>Environmental</b>	IP68, rubber shroud for shock protection
<b>Connection</b>	3m cable with strain relief Military spec connector
<b>Digital Hydrophones</b>	Available as option

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