



## EUREKA3

A system of correlating noise loggers and ground microphone for optimum leak location and confirmation

### SYSTEM PERFORMANCE

Time delay range	±2500ms
Maximum distance (theoretical)	Iron pipe; 3000 metre PVC pipe; 1300 metre
Distance resolution	0.1 metre
Signal sampling	16 bit
Signal frequency range	3Hz – 5000Hz
Multiple pipe entry	Maximum six materials
Noise suppression function	Yes
Coherence function	Yes
Velocity correction function	Yes
Leak noise post-processing	Via Enigma software

### PRIMETOUGH

Display	Resistive touch screen, 100mm x 132mm
Suitable for use in sunlight	Yes
GPS position feature	Yes
Direct signal input	Use in place of red or blue transmitter
Internal Memory	4GB
Leak noise data storage (internal memory)	250 correlations
USB ports	2
Battery operating time:	7 hours (typical operation with automatic power save)
Recharge time	4 hours (temperature dependent)
Language availability	Multiple
Protection rating	IP53
Dimensions	205 x 205 x 90mm
Weight	1.35kg
Operating temperature	-10°C to +50°C

### TRANSMITTER

Radio frequency range	407 – 472MHz (dependent upon country of use)
Power output high/low	0.5 W / 50mW
Battery operating time	7 hours (depending upon usage pattern)
Recharge time	4 hours (temperature dependant)
Integral accelerometer sensor	Yes
Protection rating	IP66
Dimensions (not including antenna)	185mm x 65mm Ø
Weight	0.9kg
Operating temperature	-10°C to +50°C

### ACCELEROMETER SENSOR

Sensitivity	10V/g
Cable length	2m
Protection rating	IP68

### OPTIONAL HYDROPHONE SENSOR

Sensitivity	-195dB
Frequency range	0-2400Hz
Attachment	1" BSP connection + pipe adaptors

### BATTERY CHARGER

Transport case	Ruggedised with in-case battery charging
Mains charger	110/240 VAC
Vehicle charge	12 VDC

### EUREKA3 ANCILLARIES

Hydrophone sensors (x2), Sensor extension cables, Magnetic vehicle mount antenna, Measuring wheel
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