



ENIGMA

An advanced multipoint correlation system for locating leaks in buried pipes

CORRELATING LOGGER

Sensor

| | |
|-----------------|------------------------|
| Type | Integral Accelerometer |
| Frequency range | 10V/g |
| Sensitivity | 1- 2400 Hz |
| Attachment | Integral Magnet |

Sampling

| | |
|--------------------------|-------------|
| Rate | 4860 Hz |
| Resolution | 24-bit |
| Number of epochs | 1, 2, or 3 |
| Epoch duration | 60 seconds |
| Max total recording time | 180 seconds |

Memory

| | |
|------------|-----------------|
| Data store | 32MB static RAM |
|------------|-----------------|

Communications

| | |
|------|---------------|
| Type | Optical |
| Rate | 2.5 Mbits/sec |

Power

| | |
|----------------|---|
| Type | Dual lithium cells |
| Replaceable | At factory or service centre |
| Operating life | >5 years (when standard programming used) |

Physical

| | |
|-----------------------|--------------------------------|
| Dimensions | 104mm (high) x 59mm (diameter) |
| Material | Aluminium |
| Waterproof | Submersible to IP68 |
| Operating Temperature | -10°C to +60°C |

COMMUNICATIONS CASE

Host Communications

| | |
|----------------------|--------------------------|
| Type | USB |
| Rate | 2.5 Mbits/sec |
| Data saved into case | One run (8 correlations) |

Power Supply

| | |
|------|---------------------------------------|
| Type | User replaceable alkaline 4 cell pack |
|------|---------------------------------------|

Physical

| | |
|-----------------------|---|
| Dimensions | 8 logger: 410 x 325 x 172 mm 3 logger: 270 x 246 x 174 mm |
| Material | Ruggedised high impact plastic |
| Waterproof | IP65 |
| Operating Temperature | -10°C to +60°C |

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