



## ENIGMA3HYQ

A state-of-the-art, accurately-time-synchronised, correlating, noise logger for pinpointing leaks remotely in large diameter pipes, whether made of metal or non-metal

### SENSOR

Type	Hydrophone (external non integrated)
Sensitivity	-195dB
Frequency range	1 – 1250 Hz
Attachment	1" BSP or NPT connection

### SAMPLING

Measurement period	One epoch per night
Resolution	8-bit
Data memory	8MB static RAM

### LOCAL COMMUNICATIONS

Type	Infra-red
Range	0.5 metre
Programming	Via Communications Module

### 4G/ 3G / 2G COMMUNICATIONS

SIM type	Nano SIM holder
Transmission frequency (audio+data)	Once per day
Antenna	Penta band

### BATTERY

Type	Lithium Thionyl Chloride (non-rechargeable)
Operating life	5 years (dependant upon GSM signal strength and retries)

### PHYSICAL

Waterproof rating	Robust aluminium enclosure to IP68 (submersible to 1 metre)
Operating temperature range	-20°C to 70°C
Dimensions (without antenna)	123mm x 58mm diameter (not including Enigma3hyQ sensor)
Weight	481 grams (not including Enigma3hyQ sensor)

### CORRELATION RESULTS

Data storage	WAV files stored in Primayer Cloud
Platform	PrimeWeb operating on an internet browser (Chrome recommended)

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