



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 Atrium Cloud
Platform	Atrium operating on an internet browser (Chrome recommended)

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