



ENIGMA5HYQ

A state-of-the-art, accurately-time-synchronised, correlating, noise logger for pinpointing leaks remotely

SENSOR

Type	External Hydrophone sensor
Sensitivity	-195dB
Frequency range	1 – 2500Hz
Attachment	1" BSP or NPT

SAMPLING

Measurement period	Multiple (user programmed)
Resolution	8, 16-bit

LOCAL COMMUNICATIONS

Type	Bluetooth
Range	15 meters
Programming	IOS or Android App

COMMUNICATIONS

Modem type	4G (Cat-1 Bis) OR IOT (Cat-1M) with 2G fall back
SIM type	Nano SIM holder
Transmission frequency (audio+data) Antenna	Multiple depending on user programming Penta band

BATTERY

Type	Lithium Thionyl Chloride (non-rechargeable)
Operating life	5 years (Based on a single send per day and dependent upon GSM signal strength and retries)

PHYSICAL

Waterproof rating	Robust GRP enclosure to IP68 (tested to 4 meters, 4 weeks)
Operating temperature range	-20°C to 70°C
Dimensions (without antenna)	132mm x 50 mm diameter
Weight	291 grams

CORRELATION RESULTS

Data Retrieval	API
Platform	Atrium operating on an internet browser (Chrome recommended)
Data storage	WAV files stored in Atrium Cloud

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