

ENIGMA3-BB-IOT

An adapter for enabling the Enigma3HyQ to be installed in existing meter box chambers. This significantly increases the options and coverage for our hydrophone users in the planning and location of our fixed network system.

SENSOR

Type	Integral accelerometer
Sensitivity	30V/g
Frequency range	1 – 2500Hz
Attachment	Integral magnet

SAMPLING

Measurement period	One epoch per night
Resolution	12-bit
Data memory	8MB static RAM

LOCAL COMMUNICATIONS

Type	Infra-red
Range	0.5 metre
Programming	Via Communications Module

2G / IoT COMMUNICATIONS

SIM type	Internal Nano SIM holder
Transmission frequency (audio+data)	Once per day
Antenna	Penta band
IoT Connectivity	IoT modem suitable for Cat M1 or NB-IoT. Auto-fallback to 2G if IoT is not available

BATTERY

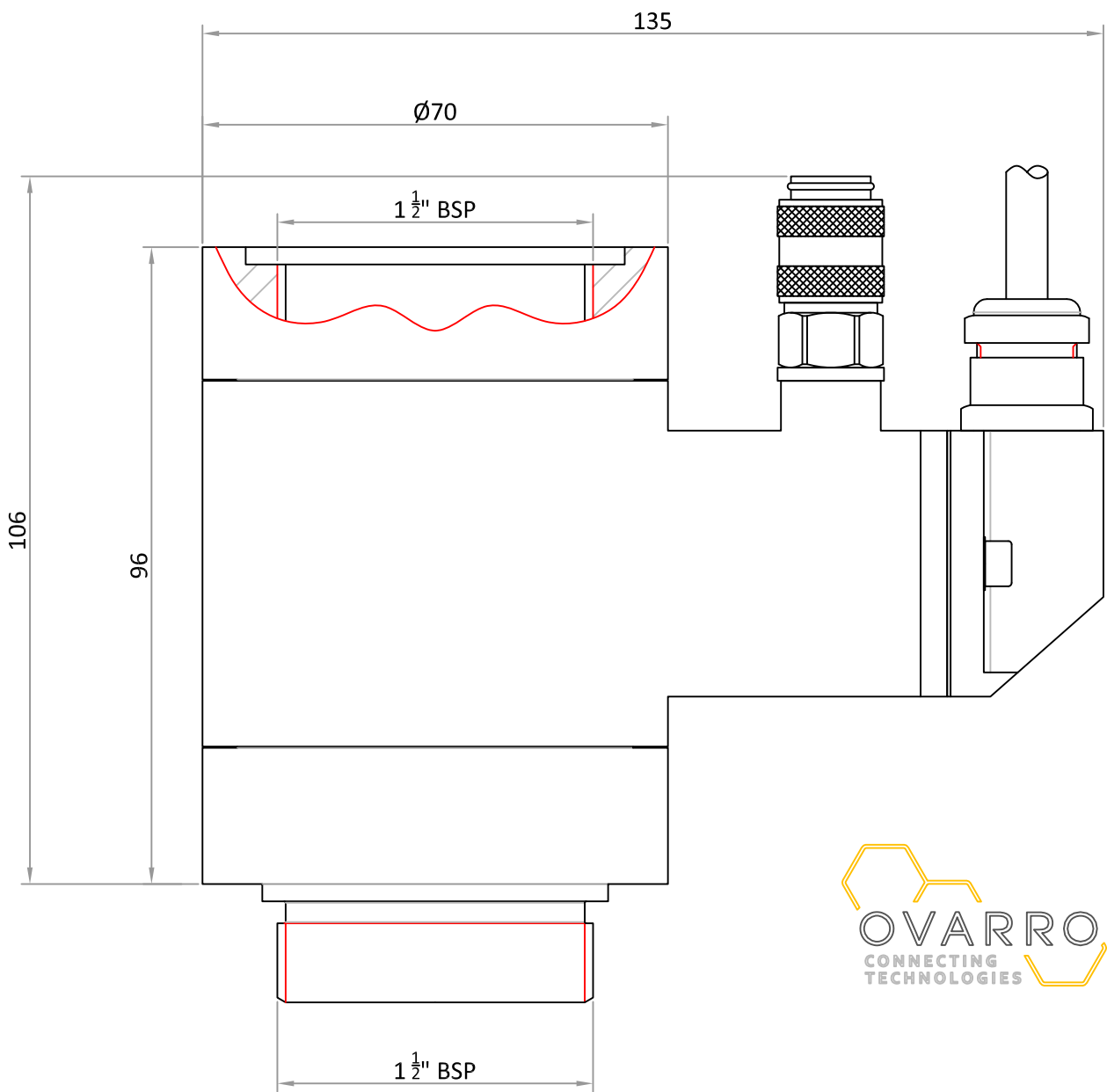
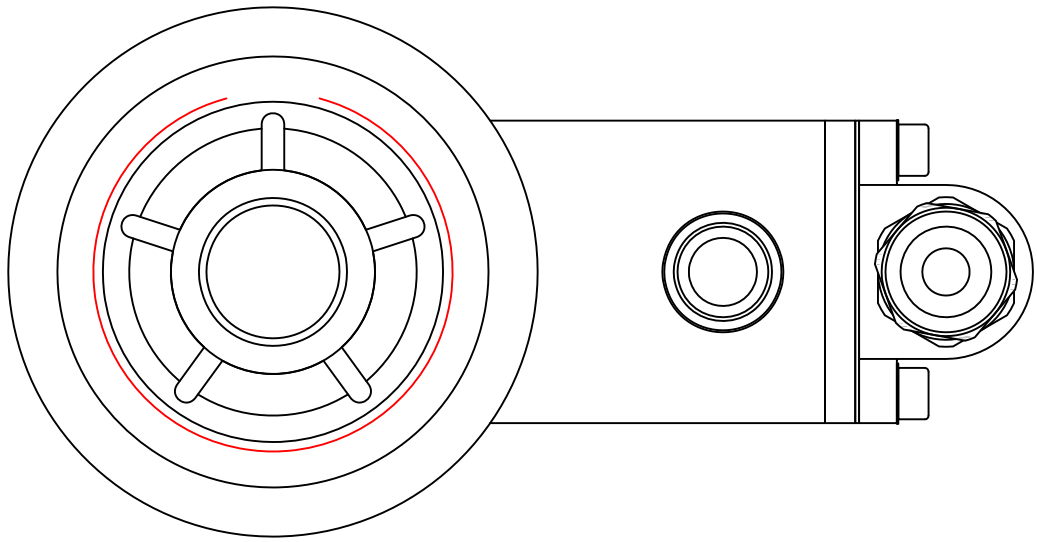
Type	Lithium Thionyl Chloride (non-rechargeable)
Operating life	5 years (dependant upon GSM signal strength and retries)

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
Weight	481 grams

CORRELATION RESULTS

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



Hydrophone Boundary Box Adapter