

ENIGMA5-BB

An adapter for enabling the Enigma5HyQ 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	Hydrophone (in Boundary Box Adapter)
Sensitivity	-195dB
Frequency range	1–2500Hz
Attachment	1.5" BSP

SAMPLING

Measurement period	One epoch per night
Resolution	8-bit

LOCAL COMMUNICATIONS

Type	Infra-red
Range	0.5 meter
Programming	Via Communications Module

COMMUNICATIONS

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

BATTERY

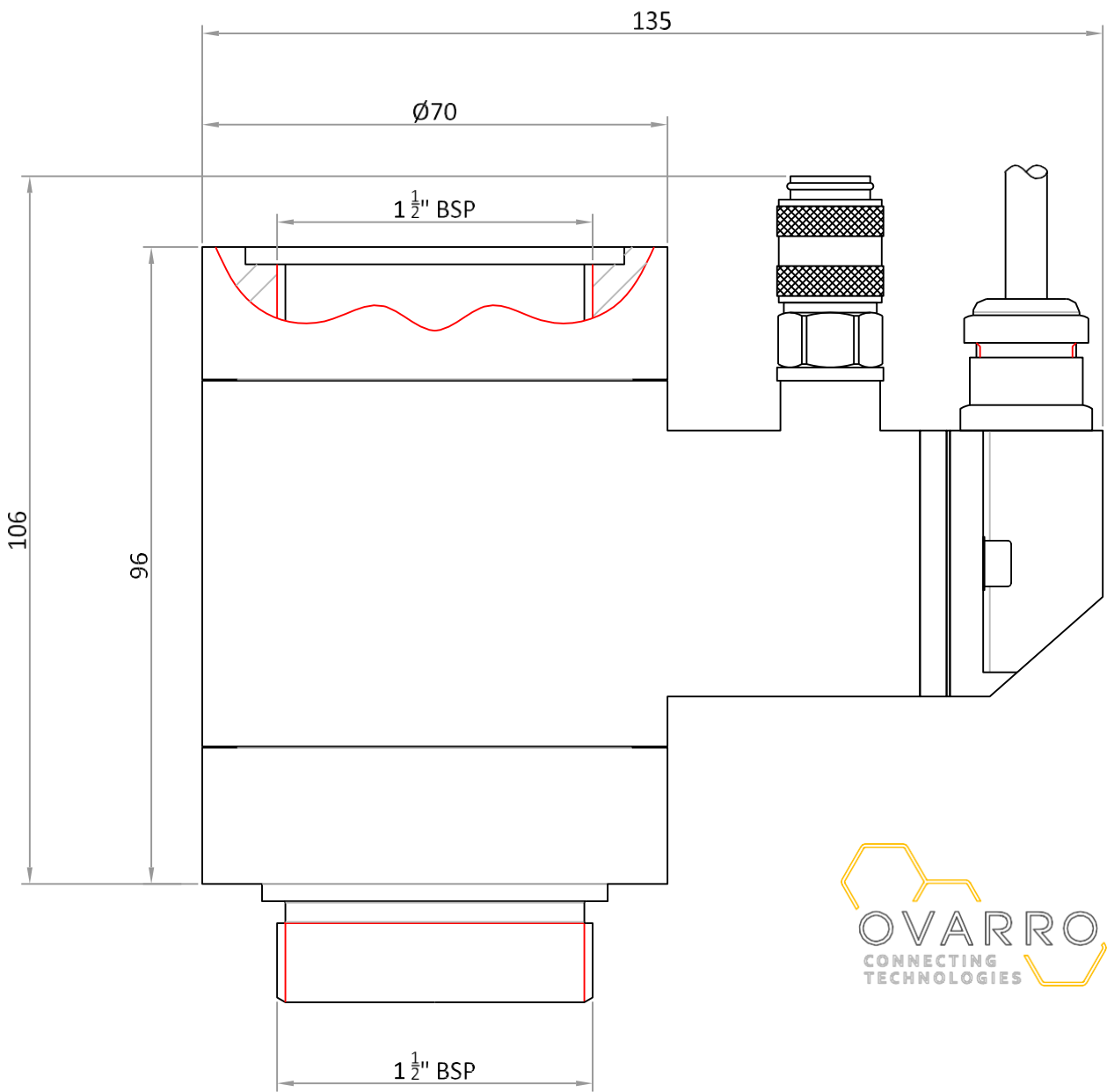
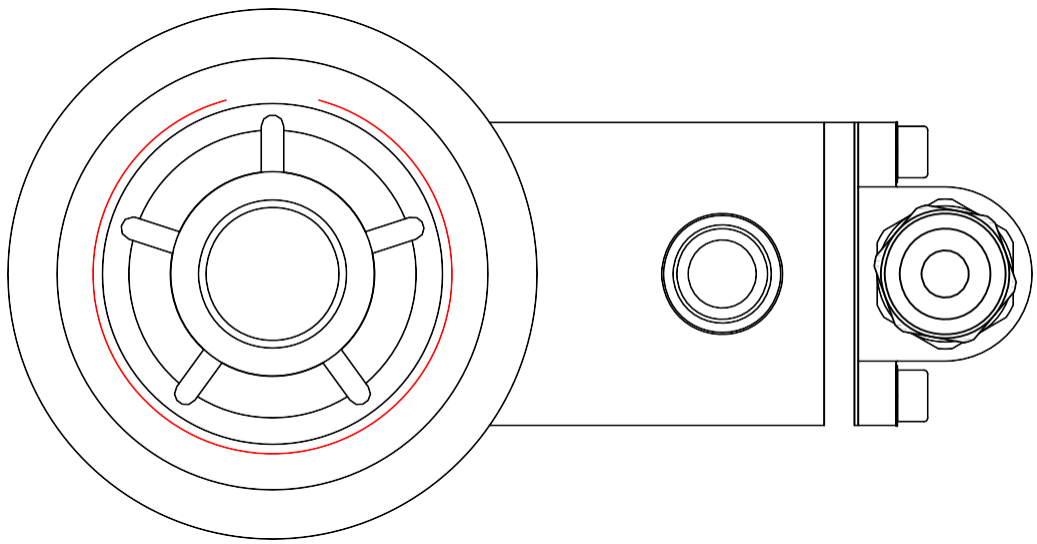
Type	Lithium Thionyl Chloride (non-rechargeable)
Operating life	5 years (dependent upon GSM signal strength and retries)

PHYSICAL

Waterproof rating	Robust GRP enclosure to IP68 (submersible to 4 meters, 4 weeks)
Operating temperature range	-20°C to 70°C
Dimensions (Main Body)	128mm x 50 mm diameter
Weight of Main Body	291 grams
Weight of Sensor	615 grams

CORRELATION RESULTS

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



Hydrophone Boundary Box Adapter