

ENIGMA3BB

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	Hydrophone (in Boundary Box Adapter)
Sensitivity	-195dB
Frequency range	1 – 1250 Hz
Attachment	1.5" BSP

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

3G / GPRS COMMUNICATIONS

SIM type	Internal roaming SIM
Transmission frequency (audio+data)	Once per day
Antenna	Penta band

BATTERY

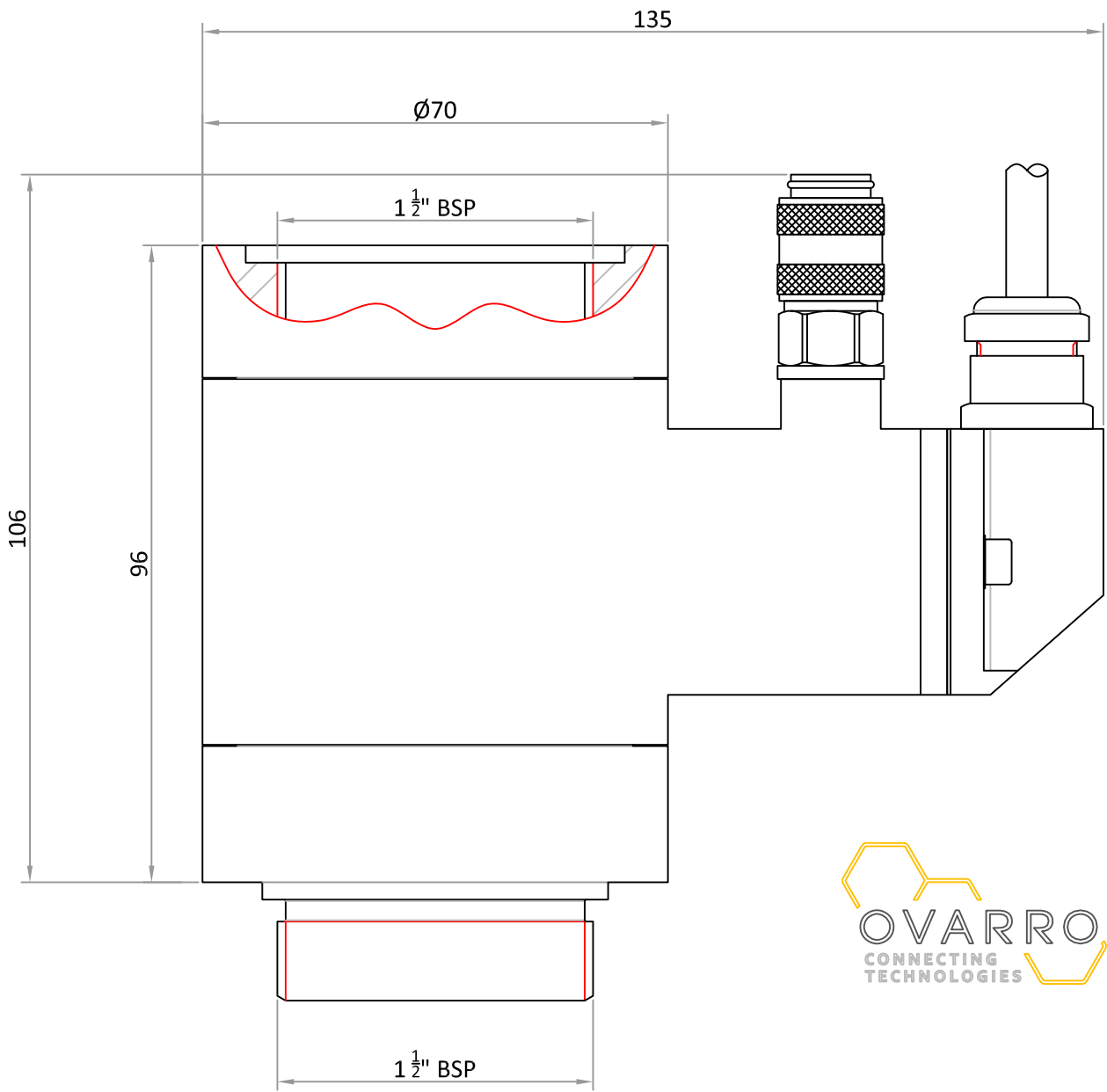
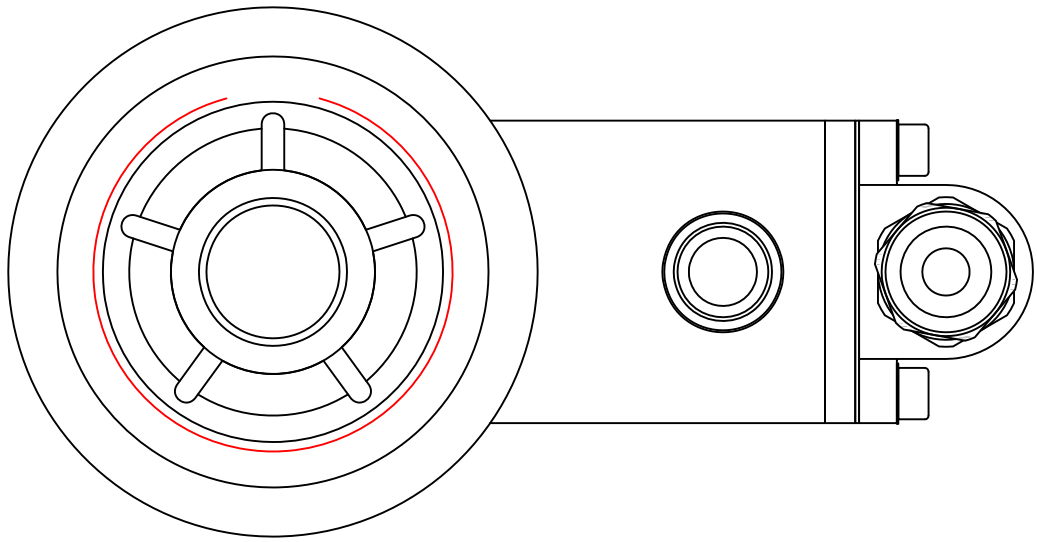
Type	Lithium Thionyl Chloride (non-rechargeable)
Operating life	5 years (dependant upon GSM signal strength and retries)

PHYSICAL

Waterproof rating	Robust aluminium enclosure to IP68 (submersible to 1 metre)
Operating temperature range	-20°C to 70°C
Dimensions (Main Body without antenna)	123mm x 58mm diameter
Weight of Main Body	481 grams
Dimensions (Sensor)	See diagram
Weight of Sensor	615 grams

CORRELATION RESULTS

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



Hydrophone Boundary Box Adapter