

ENIGMA3-BB

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 |

4G / 3G / 2G COMMUNICATIONS

| | |
|-------------------------------------|-----------------|
| SIM type | Nano SIM holder |
| Transmission frequency (audio+data) | Once per day |
| Antenna | Penta band |

BATTERY

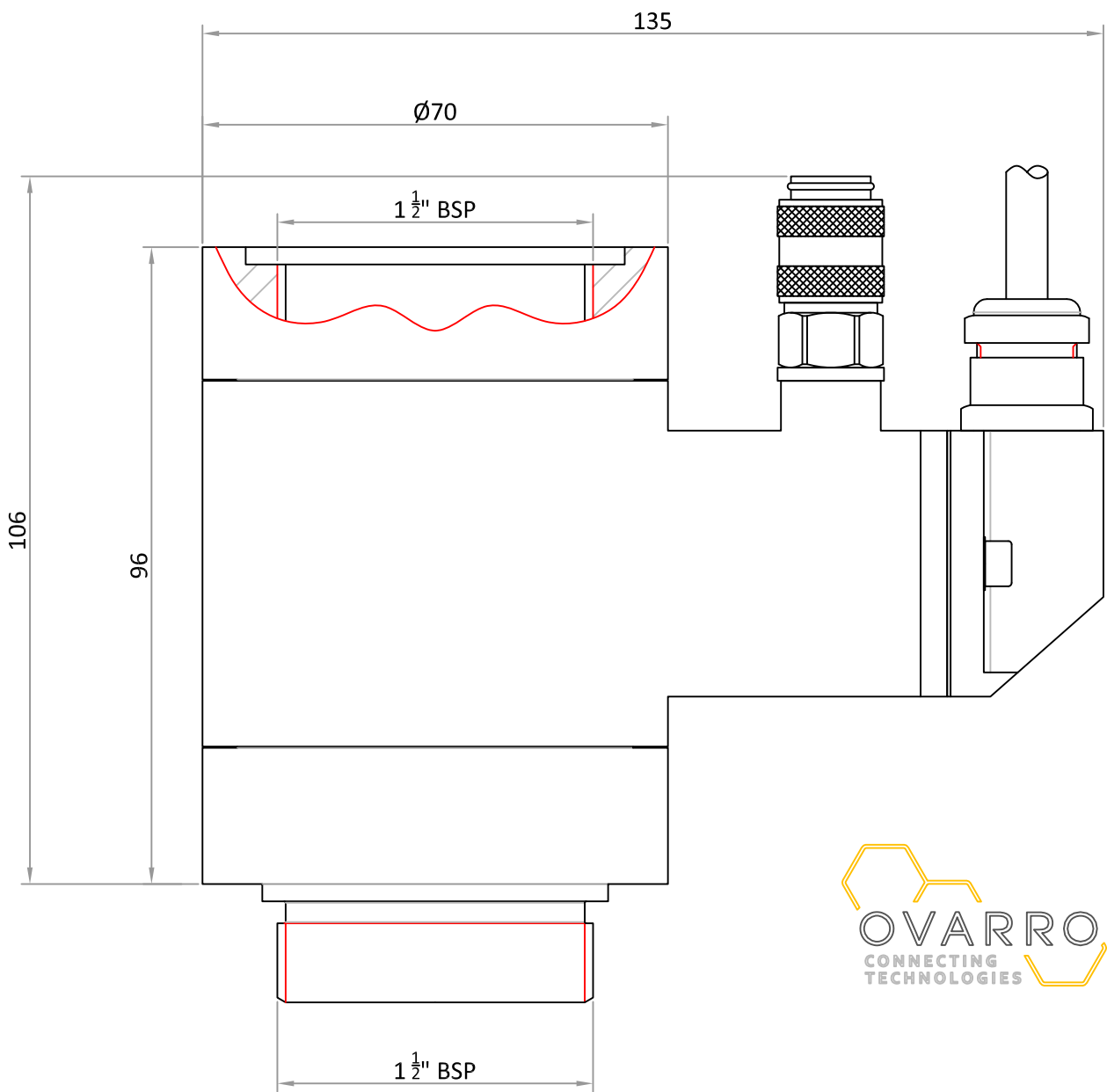
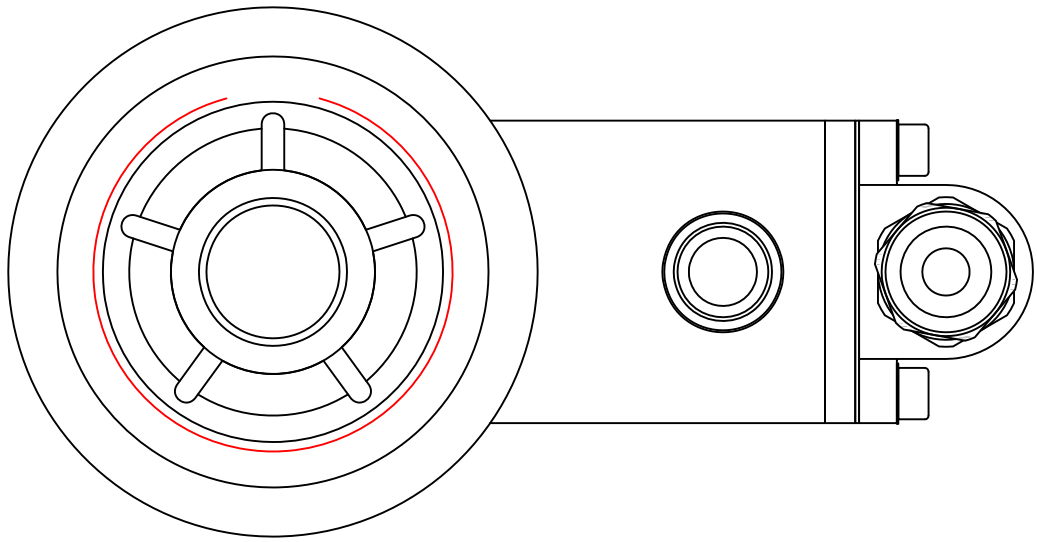
| | |
|----------------|--|
| Type | Lithium Thionyl Chloride (non-rechargeable) |
| Operating life | 5 years (dependant upon GSM signal strength and retries) |

PHYSICAL

| | |
|--|---|
| Waterproof rating | Robust aluminium enclosure to IP68 (submersible to 1 metre) |
| Operating temperature range | -20°C to 70°C |
| Dimensions (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 inAtrium Cloud |
| Platform | Atrium operating on an internet browser (Chrome recommended) |



Hydrophone Boundary Box Adapter