

1000 Series Seabed Beacon Technical specification continued...

| | |
|---------------------------------------|---|
| Operational life, AAE Spread Spectrum | Dependent on pulse rate and operational mode. 1059: 1800 hours at 1.0pps 1055: 1200 hours at 1.0pps 1055H: 500 hours at 1.0pps Operational life reduced when used with non AAE USBL systems |
|---------------------------------------|---|

Configuration

| | |
|--------------------------|---|
| Transmit frequency range | 24 – 33.5kHz |
| Receive frequency range | 17 - 31kHz |
| Turn around time | 15/30/60/100ms dependent on channel selection |
| Transmit pulse width | 1.5/3.0/10ms dependent on channel selection |

External Inputs

| | |
|----------------|--|
| Connector type | MCBH10M 10-way connector |
| Responder key | + 5 to 25 Volts |
| External power | 22 to 35 Vdc@120mA |
| Charge | 1083 Multi-Charger, typical cycle charge time, 20 hours. |

USBL COMPATIBILITY

AAE 1000 Series beacons use Tone, Chirp, MFSK, DSSS and FHSS as transmission/reception protocols, allowing cross-compatibility with many USBL systems, including:

| | |
|--------------|-------------------------------|
| AAE Nexus | Sigma spread spectrum systems |
| AAE Easytrak | All models, tone systems |
| iXBlue | GAPS USBL |
| Kongsberg | HPR/HiPAP |
| ORE/Edgetech | USBL |
| Sonardyne | USBL |

OPTIONS

Compatibility with USBL systems not listed above

Non-rechargeable batteries (alkaline)

Depth sensors 100m/300m/1,000m/2,000m/4,000m (adds D suffix to model number)

Digital depth transmission when used with AAE Nexus USBL systems

Floatation collar

