

# External AURAL (Prototype available)

## Specification Sheet

### General

**Supply voltage:** 12Vdc nominal

### Analog Section

**A/D :** 16 Bits

**Filter :** Programmable frequency 8th order linear phase low pass (Anti Aliasing)

**Hydrophone :** HTI-96-MIN (without hydrophone support)  
6 feet cable (different lenght available)

**Usable Frequency range :** 10 to 128, 256, 512, 1024, 2048, 4096, 8192, 16 384 Hz

### Digital Section

**MCU:** 33 MIPS Dallas DS89C450 Ultra High Speed Flash Microcontroller

**Flash Type & Size:** Compact Flash 1 GB or more

**Hard Disk Size:** 2.5 inches, 160 GB or more

**Hard Disk Data Transfert Speed:** 1,5 MB/Sec

**Time Base:** Low Power 32.768 KHz TCXO with +/- 2ppm accuracy

**Communication:** RS232 (38.4Kbs, N, 8, 1)

**System File Format:** FAT32

**Audio File Format:** WAV

**Sampling Rate:** 256, 512, 1024, 2048, 4096, 8192, 16 384, 32 768 samples/second



### Case

**Case :** PELICAN 1550 case

Waterproof, crushproof and dust proof

**Case Weight (without AURAL) :** 11.9 lbs (5.4 kg)

**Exterior Dimensions :** 20.62" x 16.87" x 8.12" (52.4 x 42.8 x 20.6 cm)

**Integrated Warming System :** Keep Hard Disk to a comfortable temperature

**Embedded Control Box**

**Two external connectors (6 feet cable included)**

- 12Vdc Supply voltage
- Hydrophone HTI-96-MIN