

Want to add a whole new dimension to your vibration & lubrication programme?

Now you can! The Universal Vibration Listening Amplifier (UVLA) allows the CM technician to hear the vibration signal directly from the accelerometer while data is being collected.



The UVLA can:

- Clearly hear clicks, scrapes and noises not easily seen in the data
- Identify poorly lubricated bearings
- Confirm that grease reaches bearings during lubrication
- Constantly check the integrity of your accelerometer cable
- Be adapted to any measurement system without affecting calibration
- Power most 100mV/g ICP (IEPE) based sensors

BLS-UVLA-DC-K	UVLA with: 780C Wilcoxon Research accelerometer BNC to MIL-C-5015 coiled cable Stinger probe Grease gun adaptor 1" rare earth accelerometer magnet David Clark H7061 "wrap around" headset
BLS-UVLA-DC	UVLA with: David Clark H7061 "wrap around" headset
BLS-UVLA-SM1E-K	UVLA with: 780C Wilcoxon Research accelerometer BNC to MIL-C-5015 coiled cable Stinger probe Grease gun adaptor 1" rare earth accelerometer magnet Sensear SM1NE Behind-the-neck electronic ear-muff
BLS-UVLA-SM1E	UVLA with: Sensear SM1NE Behind-the-neck electronic ear-muff
BLS-UVLA	UVLA only

* Products all include 9V alkaline battery, BNC-BNC interface cable and BNC T-piece.

Technicians who have used a listening amplifier never want to be without one!

- Rugged and reliable - comes with a 3 year warranty
- Suits most medium/high impedance headphones
- Small, self powered amplifier clips easily to the technician's belt or pocket
- Headphone set connects directly to the amplifier
- Volume control knob
- A variety of adaptors, cables and headphones available from Vitech Reliability to match most machinery analysers in common use



Sensear's SM1 noise limiting electronic earmuffs limit the amount of outside SPL as well as the level emitted by the UVLA to just 82dB(A) in the ear (CLASS 4 tested to AS/NZS 1270:2002) enabling clear, safe monitoring in noise up to 113dB(A). The SM1 series feature Sensear's world-first unique SENS™ technology (Speech Enhancing Noise Suppression) for high quality clear speech communication and optimum hearing protection across all classes of noise. Optional extras for the SM1 earmuffs such as boom microphone (for use with two-way radio), SM1xH Bluetooth® model (for in-situ use of mobile phone), and a range of two-way radio and MP3 connection cords are available upon request. Sensear earmuff models available for use with UVLA are the SM1NE (Behind-the-neck), SM1NH (Helmet style), and SM1NU (Over-head) style electronic ear-muffs. Please ask us for details.

David Clark's H7061 "wrap around" headset is a listen-only headset designed to be used with hard hats (not included) and offers a Noise Reduction Rating of 23dB. It is a passive device so the UVLA output level driven into H7061 is controlled solely by the UVLA volume control. H7061 is comfortable and durable making it ideal for continual and extended use. Replacement parts such as Strap, Dome filters, and Ear Seals readily available upon request.

Technical Specifications:

Distortion:	Approx. 0.2% (8Ω headphones, f=1kHz)
Freq Response	5Hz to <20kHz (-1dB), with 5dB lowered boost
Sensor Power	12Vdc bias output voltage (25Vdc source with 2.2mA regulated current)
Max Output Level	930mVrms @ 600Ω headphone load / 1.9Vrms @ 32Ω headphone load
Output Power	65mW into 600Ω / 180mW into 32Ω
Input impedance	Approx 100kΩ
Output impedance	Approx 10Ω
Headphone impedance:	8-600Ω
Power supply:	9V alkaline industrial battery
Quiescent Current:	Approx 25mA
Battery life:	Approx 20hrs - on/off indicator LED
Input Connector:	BNC Jack Connector (50Ω, unbalanced)
Output connector type:	BNC Jack Connector
Operation temp:	0-55°C
Dimensions:	100(L) x 75(H) x 27(W) mm (not including belt clip)
Weight (box):	95g (w/out battery)
Case:	Black

Last updated Mar 2011