



Danger of Acoustic Shock

Acoustic Shock has hit the headlines, as many of the UK's largest companies are dealing with hundreds of legal claims for "acoustic shock" caused by exposure to the noise from wearing headsets.

Household names such as BT, Orange and Alliance & Leicester have already received employee claims for acoustic shock with over £2 Million in out-of-court settlements having been paid in the UK alone.

The number of cases has escalated over recent years with the CWU, TUC, Simpson Miller Solicitors and PCS handling over 700 cases alone. The HSE described acoustic shock as "The industrial injury of the 21st century".

There is, however, a solution which helps you meet these challenges and at the same time enhances

speech quality, improving communication with your customers. Clement Clarke Communications have developed a digital signal processor that reduces the risk of acoustic shock and helps you meet the forthcoming EU directive 2003/10/EC. The TC-2000 acoustic shock attenuator uses complex imbedded algorithms to remove dangerous shocks such as shrieks, whistles, and bangs whilst enhancing voice quality.

By constantly monitoring the incoming signal the TC-2000 is able to differentiate between speech, single frequency and dual frequency tones. These are then processed accordingly so as to offer enhanced protection from acoustic shock and enhanced hearing comfort.

Introducing the TC-2000

Individuals whose work involves the use of headsets are clearly in a position of greater risk of exposure to sound levels which can cause discomfort, fatigue and even permanent damage to hearing.

The new TC-2000 uses the latest digital signal processing technology and incorporates sophisticated software that ensures hearing protection, whilst providing the user with increased listening comfort and enhanced call clarity.

The critical factor in designing the TC-2000 was to ensure the safety of the user. The TC-2000 has a number of key features including Audio Shock Attenuator and Universal Tone Attenuator. In addition to the safety features, the TC-2000 has an Automatic Level Control function that improves the quality of the call by increasing or decreasing the level of incoming speech to a user-set comfortable level.

The TC-2000 monitors daily noise exposure and protects the user against audio shocks. The TC-2000 keeps track of the user audio exposure and alerts the user so that they don't become over-exposed according to the specified legislation. The TC-2000 detects and attenuates any incoming audio shocks protecting the operator's hearing, reducing fatigue and decreasing the total noise exposure.

Designed to be compatible with all major telephone systems and headset brands, it is small, unobtrusive and incredibly easy to install and use.

The TC-2000 is unique in that all carbon systems are self powered and do not require an additional power source.



TC-2000

Features

- Constantly Monitors Average Exposure Levels
- Automatic Level Control
- Acoustic Shock Attenuation
- Universal Tone Suppressor
- Volume Control
- Mute

The Technology

- Acoustic Shock Attenuator – Reduces irritating and potentially dangerous multi-frequency signals to a safe level within 5ms
- Universal Tone Suppressor – Telephones can emit a range of distracting, annoying and possibly dangerous tones – The Universal Tone Suppressor effectively reduces these tones to a comfortable and safe level
- Automatic Level Control – Monitors and controls incoming call levels
- Average Noise Exposure – Constantly monitors noise exposure and provides user feedback



TC-2000 Now compatible with all major headset brands including

Plantronics

GN Netcom

Clement Clarke Communications

Voice Active



Call **0118 920 9420** for a demonstration
CD ROM or visit www.com-solutions.co.uk
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