



amplivox

For everyone



Occupational health portfolio

Industry-leading medical solutions to support occupational health screening programmes.

Screening equipment | Accredited training | Product support | Consumables & accessories

Who we are

Amplivox creates a healthier future by providing accessible and accurate hearing solutions for everyone.

As a manufacturer with more than 85 years of experience, you can depend on us to provide reliable equipment to suit your needs, while delivering exceptional levels of support.

We are here to be your preferred occupational health equipment and service provider.



For everyone



Our approach

We are dedicated to making sure that people across the world receive the best opportunities when it comes to hearing health. People looking after people is the ethos that runs through the heart of our organisation.

Since 1935 we have worked closely with healthcare professionals to design, manufacture and develop reliable screening and diagnostic instruments. By putting the needs of our professionals first, we have led the way in the development of industry-leading products that combine innovation, accuracy and reliability.

As part of a global hearing healthcare group, our access to world-leading research, investment and technology enables us to offer the highest level of service to our customers.

We are proud to deliver our world-class equipment, knowledge and expertise to multi-national organisations in over 150 countries, along with the benefits of an agile and solution-focused approach.

We support a wide range of sectors including, police forces, private hospitals and the UK's National Health Service (NHS), as well as world renowned carriers in aviation and manufacturing.

Our solution-focused approach, combined with our extensive training and support, ensures we are trusted to deliver by occupational health professionals all over the world.

Our values

Our values are integral to our approach and the way we work. We work closely with our customers, partners and colleagues in all that we do, always being transparent and keeping our promises.

We listen, learn, and openly share our knowledge and insights, ensuring that by working together, we can all be the best that we can be.

We constantly challenge ourselves to improve, looking for ways to innovate within our industry, and create the best possible products. Our customer needs are our priority. We work with them to find the most effective solutions to help them enhance their capabilities.



Our vision

Our vision is to create a world where the benefits of accessible hearing healthcare can be enjoyed by all.

Our mission is to be the most trusted 'go-to' partner in the delivery of class-leading audiological and occupational health solutions.

We do this by supplying healthcare professionals with the most effective and accessible solutions to enhance their capabilities, providing best-in-class training and support along the way.

Our charitable commitment

We are dedicated to making sure that people across the world receive the best opportunities when it comes to hearing health.

We work hard to make our products accessible to everyone and we regularly work with charities, donating our instruments and time, to ensure those without access to efficient healthcare services have an equal opportunity to take care of their hearing health.

Our unique majority ownership by a charitable foundation also means a percentage of profit is directed to funding research for better hearing technology solutions.

Our firsts-to-market

Amplivox was the first company within the hearing healthcare industry to use items such as transistors, printed circuit chips, and batteries, and has subsequently produced a significant number of innovations.

- 1935** The first wearable electronic hearing aid
- 1947** The first audiometer designed for assessing hearing loss with weighted masking
- 1963** The introduction of Audiocups. Still considered to be an industry-leading solution today
- 1984** The introduction of the first occupational health audiometer for the UK market: the CA850 Series 1
- 2009** The introduction of the Otowave 102-4. A revolutionary handheld design that has set the foundation for screening tympanometry in the market
- 2020** The introduction of the first dedicated and approved functional hearing test for the police and other command and control organisations



Sustainability

We care for the climate, environment and the local communities in which we are based, and aim to bring sustainability to the way we do business.

Our caring perspective goes beyond supporting hearing and occupational health professionals with medical solutions.

As part of a leading hearing healthcare group, Amplivox is fully committed to contributing positively towards the World Health Organization's (WHO) Sustainable Development Goals (SDG) with a clear focus. Our sustainable activities are centred around:

- Environment and climate
- Society and local community
- People and culture
- Business ethics and governance

Environment & climate

We have a clear ambition to reduce our environmental footprint. We are constantly finding ways to reduce our CO2 emissions and to better utilise waste and hard-to-decompose substances.

Society & local community

People looking after people is the ethos that runs through the heart of our organisation.

Together with our partners, we endeavour to tackle the challenges faced by those who are unable to access adequate hearing healthcare.

This ensures those without access to efficient healthcare services, regardless of geography or socioeconomic status have an equal opportunity to take care of their hearing health.

People & culture

Our employees are our biggest asset. Their well-being and engagement is our top priority. We work with relevant employee engagement, inclusion and development programmes to continuously improve our team and culture.

Business ethics & governance

At Amplivox we comply with all rules and regulations, and strive to conduct our business with high ethical standards.

For instance, our suppliers are carefully selected to ensure they live up to our high morals on business ethics, anti-corruption and labour practice, and in accordance with our Supplier Code of Conduct.

Audiometry

We offer an extensive range of dependable, accurate and PC-based screening audiometers, providing significant workflow improvements.

All designs are portable and easy-to-use, providing a customised and flexible mobile or static solution for occupational health professionals.

Amplivox manufactured products include a 3-year warranty as standard from date of purchase.

Data management

Our range of audiometers provides a seamless hearing screening and data management solution specific to the user's requirements, guaranteeing fast and efficient testing.

With single-click integration to third-party Electronic Medical Record (EMR) systems such as Cority, Cohort and OPAS, and customised data trending and analysis, hearing conservation programmes have never been easier.



Audiometry

Manual & automatic screening audiometers

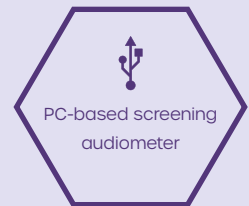
PC850

PC-based automatic screening audiometer

This leading PC-based audiometer is proven to provide a streamlined and efficient hearing conservation programme for mass screening within occupational health and safety critical roles.

Designed to provide both hearing measurement and data management functions, the PC850 can help to reduce test and administration times as well as improve clinic workflows.

- Automatic and manual test modes (inc. Békésy test)
- HSE categorisation
- Unique educational and assessment tools
- Extensive data analysis and trending
- Communication channel
- Third-party EMR integration
- Compact, lightweight and portable



Amplivox manufactured products include a 3-year warranty as standard from date of purchase.

Otosure

PC-based automatic screening audiometer



This PC-based automatic screening audiometer is designed to provide occupational health professionals with fast and accurate hearing tests, as well as significant workflow improvements through time and cost reductions.

- Automatic and manual test modes
- Automatic HSE categorisation
- Unique educational and assessment tools
- Extensive data analysis and trending
- Third-party EMR integration
- Compact, lightweight and portable
- Intuitive and ergonomic design

Model 170

Manual and automatic screening audiometer



Cost-effective and easy-to-use, the Model 170 is a manual and automatic screening audiometer, making it the ideal choice for hearing care professionals who complete hearing tests within schools, primary care, GP surgeries, and industry.

- Manual and automatic screening
- Frequency Range: 125 – 8000Hz
- Attenuation Range: -10 – 100 dBHL
- User defined test routines
- Automatic threshold saving
- Compact, lightweight and portable
- Intuitive and ergonomic design

Model 116

Manual screening audiometer with optional battery function



Cost-effective and easy-to-use, the Model 116 is an essential manual screening audiometer for hearing care professionals who complete hearing tests within schools, primary care and GP surgeries.

- Extended frequency range: 125 – 8000Hz
- Attenuation range: -10 – 100 dBHL
- Automatic threshold saving
- Pure, pulsed and warble tones
- PC Software included
- Compact, lightweight and portable
- Intuitive and ergonomic design

Audiocups

Noise-reducing enclosures



Industry-leading audiometric enclosures designed to ensure accurate pure tone screening audiometry testing in conditions where ambient noise becomes too high for unshielded earphones.

- Industry leading attenuation levels
- Allows audiometry to be completed in high ambient noise
- Invaluable when an audiology booth is not available
- Additional attenuation when an audiology booth is available
- Articulated suspension of the earphone provides an accurate and comfortable fit
- Easily fitted to any TDH 39 type earphone
- No requirement to recalibrate after fitting

Please note: image shows complete headset option with fitted transducers.

ER-75

Electro-acoustic ear simulator



The ER-75 electro-acoustic ear simulator is the perfect solution for performing objective validation of audiometers.

At only 500g (1.1lbs), battery powered and with a compact design, the ER-75 can be used for both static and mobile requirements.

- Automatic audiometer validation in under 5 minutes
- Repeatable thresholds over 0.25-8kHz
- Battery powered
- Compact, lightweight and portable

Please note: The circumference of a headset must sit comfortably on the ER-75 to form a seal (the unit is not considered suitable for a Pelter headset).

Validation testing should be considered as an essential part of the test programme and can be required should there be an audit of the medical services.

250S audiology booth

For controlled audiological measurements



A cost-effective and compact audiology booth, the 250s allows for accurate, safe and reliable hearing test assessments through the attenuation of background sound.

Designed to assist with compliance of ISO 8253-1 and best practice when completing audiological measurements.

- Supplied pre-assembled or as a self-assembly kit
- Folding shelf and integral jack panel
- Silenced ventilation system and lighting
- Fitted with castors for complete mobility
- Large double-glazed acoustic window
- Built-in subject seat
- Complies with BS EN ISO 8253-1

350S audiology booth

For controlled audiological measurements



With a considered and compact design, the 350s audiology booth provides exceptional performance through accurate, safe and reliable hearing test assessments.

Provides approximately 50% more internal space than the 250s booth.

Designed to assist with compliance of ISO 8253-1 and best practice when completing audiological measurements.

- Supplied as a self-assembly kit
- Integral jack panel
- Silenced ventilation system and lighting
- Fitted with castors for complete mobility
- Large double-glazed acoustic window
- Left hand or right hand door configuration
- Complies with BS EN ISO 8253-1

Additional specification booths available upon request.

Audiometry

Specialist screening equipment

Functional Hearing Assessment System

Designed for safety-critical hearing tests

Our dedicated SiN test has been incorporated into a Functional Hearing Assessment System (FHAS) for assessing Auditory Fitness For Duty (AFFD).

FHAS combines standard audiometric testing procedures, automated workflow management, and class-leading technology to deliver a bespoke and comprehensive hearing assessment system.

- Objective & auditable, making it ideal for key decision making
- Provides a potential reduction in medical referral costs
- Minimises absence from work with immediate test results
- Offers a fully automated test and referral system
- Enables employers to meet hearing acuity and ability measurements according to relevant industry standards
- Operational expertise can be retained within the organisation, especially for experienced and highly trained officers

Dedicated
Speech-in-Noise
(SiN) test



Amplivox manufactured products include a 3-year warranty as standard from date of purchase.



The full Functional Hearing Assessment System (FHAS)

The system is developed for safety critical hearing surveillance programmes to ensure Auditory Fitness For Duty (AFFD). It has been proven as a reliable and repeatable predictor of hearing ability in complex listening environments. It also enables users to differentiate between hearing ability levels for normal and hearing-impaired subjects.

FHAS combines standard pure tone audiometry (computer / self-recording) along with automatic results categorisations including HSE, College of Policing, PULHHEEMS, in addition to the Speech-in-Noise test. Our FHAS builds on our reputation of delivering solutions for the occupational health industry which help them to save time and be more efficient - improving their capabilities to provide a better service to test subjects.

How does the SiN test work?

As part of the FHAS, the Amplivox SiN test assesses hearing ability in environments that have been replicated from real-life situations that police officers and service personnel might operate in.

The test establishes the quietest level at which a subject can repeatedly hear and understand a command in a complex listening environment, reflective of real-life situations.

It consists of two parts which assess the effect of sensorineural hearing loss as well as auditory processing ability.

Commands are given within a relevant background noise through standard audiometric headphones, and the subject is required to enter their selection of variables through a visual display unit (VDU) such as a touchscreen tablet.

What makes our SiN test different?

Our Speech-in-Noise (SiN) test is based on a unique Coordinate Response Measure (CRM) test. This particular SiN test has been developed because of its ability to represent many police requirements with a simple command structure, whilst delivering an objective and repeatable assessment.

Alongside hearing and auditory processing, it also assesses tests within a variety of communication formats, ensuring assessments are made based on complex listening environments which reflect real-life situations.

Working in partnership

The Amplivox SiN test has been developed in partnership with the Institute of Sound and Vibration Research (ISVR) at the University of Southampton and the Civil Nuclear Constabulary (CNC).

The team at ISVR have been working in the field of Auditory Fitness For Duty (AFFD) since 2012, with a focus on developing evidence-based tools that better predict hearing ability for safe and effective job performance.

Working in partnership ensures the knowledge and expertise of the Amplivox team is combined with the latest technology and leading research to meet the operational requirements of the police force and other command and control organisations.



Spirometry

Innovative desktop and handheld PC-based spirometry solutions for occupational health experts.

Specifically designed for conducting respiratory screening for employees who may be exposed to respiratory sensitizers.

PC-based solutions

We provide a variety of spirometry solutions to meet the requirements of healthcare professionals.

With the inclusion of class-leading spirometry PC database applications, occupational health specialists can benefit from comprehensive data analysis, trending, and transfer capabilities.



Spirometry

Portable & intuitive PC-based spirometers

Spirolab

All-in-one portable spirometer

Spirolab is the ideal choice for occupational health professionals who need to conduct both mobile and static respiratory testing.

Combining extensive lung function testing along with a stand alone or PC-based operation, this portable spirometer enables accurate monitoring of a subject's lung function and diagnosis of lung conditions.

- Measured parameters include VC, FVC, FEV1, FEV1/FEC (%), PEF, ELA (years), FEF25/75
- Automatic prediction display and LLN calculations
- Supplied with PC spirometry database application
- Internal database with in excess of 5,000 results
- Automatic interpretation
- ATS / ERS 2019 compatible
- Z score interpretation
- Mains or battery powered
- Integral printer



Minispir

Handheld PC-based
spirometer



A handheld PC-based spirometer which brings a new standard to spirometry.

- Integrated USB cable for efficient and reliable testing
- Handheld device for complete portability
- ATS/ERS 2019 compatible
- Re-usable and single-use turbines available
- EHR/EMR connectivity options

SpiroConnect®

Portable PC-based
spirometer



SpiroConnect® is a highly accurate and easy to use wireless Bluetooth PC-based spirometer.

- No cables required
- Includes GLI predicted values
- Quick and easy to clean and sterilise
- Innovative vertical turbine for increased flow rate sensitivity
- ATR/ERS 2019 guideline complaint
- OPAS EMR compatible

Spirolyser Q13®

Portable PC-based
spirometer



Designed with a single-use mouthpiece sensor transducer (Qflow®) for improved hygiene testing.

- Single-use Qflow® sensor mouthpiece
- No contact, no risk operation
- Supplied with SpiroWin® EXPERT software
- Test result trending functionality
- Cority EMR compatible

Easy on-PC

PC-based spirometer



An ultrasonic spirometer that connects directly to a PC for real-time spirometry diagnostics.

- Easy to use licence-free software
- Wide range of selectable predicted values
- TrueFlow ultrasonic technology
- ATS/ERS 2019 compatible
- Cority EMR compatible

Vision

Our innovative PC-based desktop vision testers are designed to provide occupational health experts with a class-leading vision screening programme.

Our vision testers provide a full-range of testing parameters to support all occupational vision screening requirements.

Compact and portable, they provide significant improvements in workflow and time management for general healthcare practitioners and occupational health personnel.

PC-based solutions

Our PC operated vision testers are designed to provide fast and accurate vision assessments with fully customisable test routines and automated data management.

Administration and test times are significantly reduced, allowing for complete subject focus. Configurable to specific occupational vision standards they can also interface directly with third-party EMR systems.





Vision

Innovative PC-based desktop vision testers



Titmus V4

Desktop vision tester

A precision-built stereoscopic instrument designed to provide accurate and reliable vision screening for eyecare professionals and occupational vision screening requirements.

The Titmus V4 provides a comprehensive range of eye tests and features that can minimise consultation times, improve workflows and record keeping, whilst delivering comprehensive subject results.

- Compact and portable
- Ergonomic design
- Head sensor for accurate head positioning
- Remote control panel
- True colour testing
- Comprehensive range of test parameters
- Night vision tests
- No calibration required
- Ideal for industrial and DSE screening requirements

Visiolite Master & Visiolite Master-GT

PC-based vision testers

PC operated vision testers designed for fast and accurate vision assessments with fully customisable test routines and automated data management.

The Visiolite Master and Visiolite Master GT provide significant improvements in workflow and time management for general healthcare practitioners and occupational health personnel.

- PC operated or remote controlled
- Customisable subject instructions
- Time-saving user defined test routines
- Horizontal and vertical peripheral field tests
- EMR connectivity
- Glare sensitivity and resistance (Visiolite Master GT only)



PC-based vision tester



Accredited training courses

Amplivox is proud to be trusted by many leading occupational health companies in both public and private sectors to provide effective accredited training schemes.

Developed specifically for occupational health professionals, our audiometry, spirometry and vision screening courses ensure delegates have the necessary skills for a standardised, accurate and consistent approach to health screening.

Professional development

Our courses offer delegates CPD points under the accredited programme. They are suitable for all levels of experience, from occupational health and primary care professionals through to those with little or no experience.

The courses combine both theoretical and practical sessions, providing delegates with a broad understanding along with how to apply their learnings in practice.



Our courses

We offer several accredited occupational health competency and refresher courses.

Audiometry

We have developed a two-day competency and one-day refresher course providing guidance and training in all factors relating to a successful hearing conservation programme. Ideal for occupational health professionals performing screening audiometry. All courses are regularly updated so they remain leading-edge.

Our occupational audiometry courses are based on the recommended syllabus by the British Society of Audiology (BSA) and have been further developed with the Health and Safety Executive's (HSE) Control of Noise at Work regulations (2021), together with industry-specific requirements and occupational health specialists.

Spirometry

Our spirometry courses have been designed to develop theoretical, practical and interpretational skills in order to conduct respiratory testing within an occupational health environment.

The one-and-a-half-day competency course provides theoretical, practical and interpretational skills in conducting respiratory tests within an occupational health environment.

The one-day refresher course for individuals who require a refresher in all aspects of occupational spirometry measurements and interpretation.

Vision

A comprehensive one-day vision screening course designed to offer education and training for occupational healthcare professionals who are, or will be conducting vision screening in the workplace.

The course aims to incorporate many specific assessments, including both theoretical and practical aspects. It includes vision requirements, eye examinations, vision test parameters, results analysis and hazards in the work environment.

The objectives of the course are to provide delegates with the knowledge to identify individuals with visual disorders such as visual acuity, depth perception and colour difficulties.



Independently accredited and registered to provide delegates with Continuing Professional Development (CPD) points.



In-company training

We provide flexible in-company training options for organisations that have a number of delegates who require the same training.

Our on-site training hub located in the heart of the West Midlands is ideally situated for national OHSPs learning. Alternatively we can visit an organisation's premises and deliver a course at a time and place to suit your needs.

This is an effective way of training several delegates at the same time. Saving time, travel and accommodation expenses, and ensuring less disruption of day-to-day work activities.

Our expert tutors will take the time to understand your organisation's learning needs and provide a bespoke training solution to meet your objectives.



Excellent course. Clear, concise, flows easily. The trainer has unending patience and answers every question kindly and precisely.

Trust pilot

Regional training

Our regional occupational health training courses are delivered across the UK, making our expertise and knowledge accessible to everyone.

Each course combines both theoretical and practical sessions which provide delegates with the knowledge to understand the 'why' and the 'how' and to put what they have learnt in to practice.

Our courses are designed to be informative, educational, practical and enjoyable, and are a great way for delegates to meet other people within the same profession.

Product support

Product support is at the heart of our commitment to excellence. We take pride in always offering the best possible service to our customers every day.

Our after-care service includes product support, annual calibrations, maintenance and unplanned repairs.

This ensures equipment remains in optimal condition and always compliant with legal requirements and manufacturer guidelines.

3-year warranty

All Amplivox manufactured products include a three-year warranty as standard from date of purchase.

In the unlikely occurrence that there are defects in Amplivox goods due to faulty manufacture or failure of original materials or components, we will correct them free of charge.





Product support

Calibration & verification

Product support is at the heart of our commitment to excellence. We provide support for all screening and diagnostic instruments on a global basis.

This helps to maximise the life of the instrument and check measurement accuracy and compliance to manufacturer and international standards. When choosing Amplivox for your calibration services, you can rest assured that all equipment is maintained according to national standards with clear traceability.

A Return-to-base calibration (UK & Intl.)

We calibrate all screening and diagnostic equipment including audiometers, tympanometers (impedance meters), Otoacoustic Emissions (OAE), Hearing Instrument Test (HiT) boxes and Evoked Response Audiometers.

Our return-to-base calibration and verification service supports many of the world's leading audiological instrument manufacturers including:

Interacoustics A/S, Grason-Statler, Maico Diagnostics GmbH, MedRX and Otometrics.

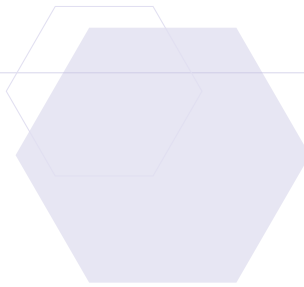
We would recommend this option for companies with a small number of devices that require testing and are looking for an efficient and cost-effective service.

B On-site calibration (UK)

We provide a complete on-site calibration and verification service for all health screening and medical equipment needs, including audiometers, spirometers, vision testers, blood pressure monitors, scales, ECG machines, calibration syringes and much more.

Providing complete confidence in the efficacy of your equipment, no danger of loss or damage, and minimal interruption to your screening programme.

This option is ideal for companies that have multiple instruments that require testing at the same time, saving time and money.



Repairs

Our experienced team of engineers are on-hand to repair and rectify any issue, ensuring instruments are returned in full working order quickly and efficiently.

Our repair service applies to both Amplivox manufactured instruments as well as equipment made by other manufacturers.

We also provide a fixed-fee fault identification service with the majority of faults identified and repaired within this cost.

ISO standards

Working with carefully selected partners, engineers and technicians allows us to deliver a state-of-the-art calibration and repairs service accredited to the latest ISO standards and UKAS where required.

This ensures we meet customer and regulatory requirements at all times. All our audiometric calibration and repair work is performed according to the following ISO standards:

Air conduction

ISO 389-1: 2017

Bone conduction

ISO 389-3:2016

Insert earphones

ISO 389-2: 1994

Narrow band noise

ISO 389-4: 1994

Consumables & accessories

We provide a comprehensive range of approved and tested products, manufactured through a recognised and audited quality management system.

Our consumables and accessories are compatible with a wide range of health screening equipment and medical consulting room requirements (including test hygiene related consumables).

Audiometry

We offer a wide range of standard, hygiene, and product specific consumables depending upon requirements, including:

- Subject response switches
- Headset leads
- Booth leads
- Ear cushions
- Ear cushion covers (standard and Audiocup sizes)
- Headbands
- Otoscope specula
- Audiocups
- Printer paper

Spirometry

In line with advice from leading respiratory centres of excellence, we recommend the single use of BVF mouthpieces for hygiene and reassurance purposes. We provide:

- Bacterial viral filter (BVF) mouthpieces (that will fit all major brands of spirometer)
- Perasafe cleaning solutions
- Calibration syringes
- Microlab/Spirolab printer rolls
- Spirettes (ultrasonic spirometer mouthpieces)
- Nose clips

Vision

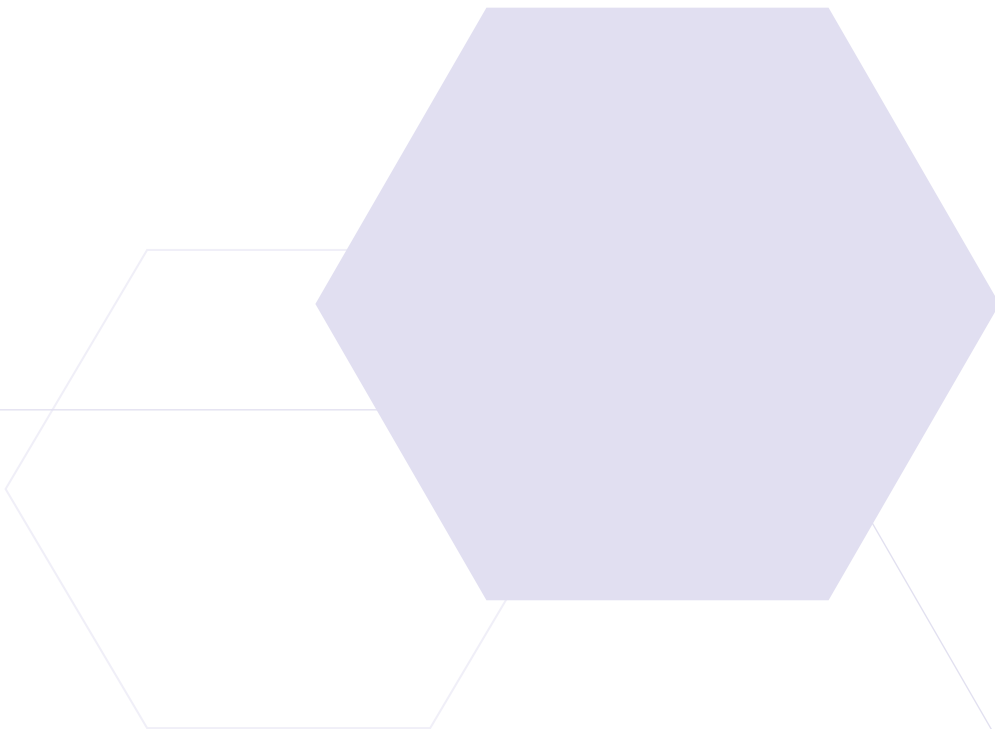
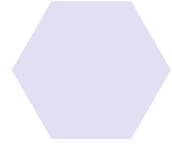
- Recording charts (keystone, titmus and Optec)
- Face covers
- Hygiene tissues (Optec)
- Intermediate lens (Titmus)
- Snellen charts
- Ishihara colour vision books
- City university colour vision books

General hygiene items

- Clinell universal wipes
- Couch rolls
- Disposable nitrile examination gloves
- Clinical waste sacks

We will endeavour to source any materials not listed to fulfill your business needs.





For everyone

Amplivox Ltd, 3800 Parkside, Solihull Parkway, Birmingham Business Park,
Birmingham, West Midlands, B37 7YG, United Kingdom
www.amplivox.com | +44 (0)1865 880846 | hello@amplivox.com

The Amplivox policy is one of continuous development and consequently the equipment may vary in detail from the description and specification in this publication.

EN-ABR04-V2