

VITALOGRAPH PC-BASED AUDIOMETERS

with Spirotrac Software



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The Vitalograph range of screening and diagnostic audiometers offers comprehensive and easy to use audiometry testing options for occupational health, primary care and audiology professionals.

All devices are PC-based, and connect via USB to Vitalograph Spirotrac® Software, whether loaded onto a PC/Laptop or as part of the Vitalograph COMPACT™ Medical Workstation.

Vitalograph Audiometer Range

The range offers:

- On-screen audiometry via user-friendly Spirotrac Software
- Fast and easy PC-connection via USB (plug & play)
- Customised settings according to user preferences
- Extensive database and storage capacity
- PDF report generation
- Data exchange with primary care and occupational health electronic medical record systems
- 2 year warranty

Screening Audiometers (70409 & 70410)

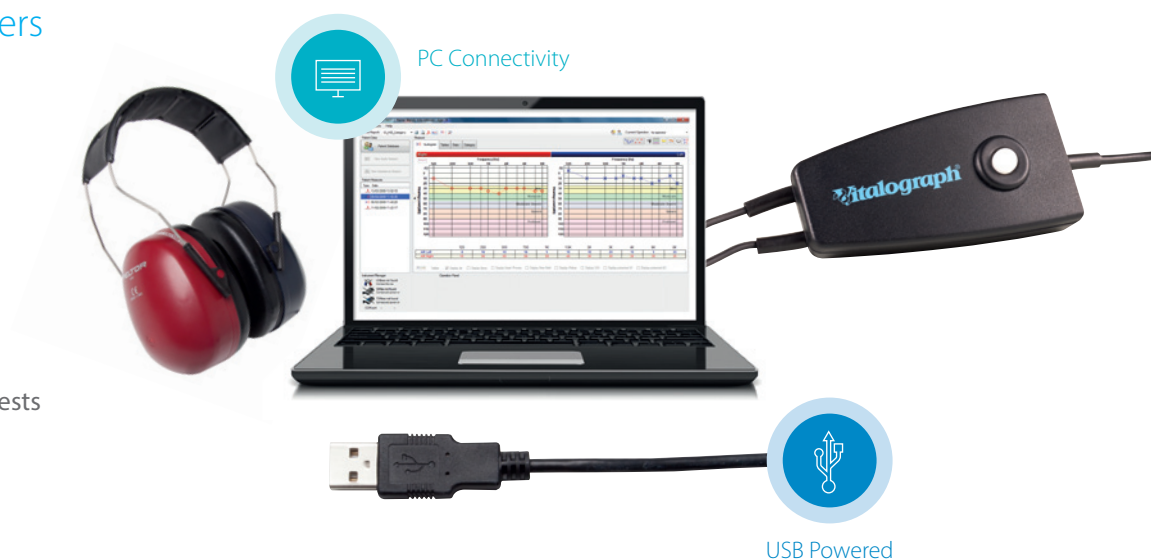
Tests available:

70409

- Manual Test
- 20dB Auto Test

70410

- Manual Test
- 20dB & xxdB Auto Tests
- 20dB & xxdB Random Auto Tests
- Hughson Westlake Test
- Ear Protector Test
- MCL & UCL Threshold Tests



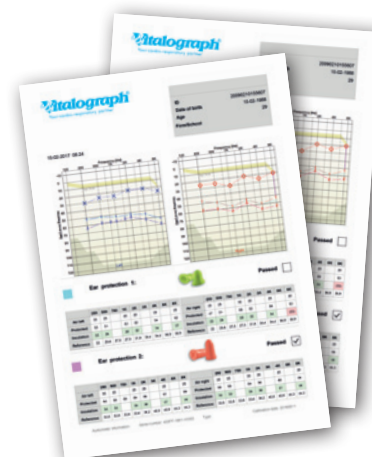
Ear Protector Test (70410 & 70411)

Workplace Noise-Induced Hearing Loss (NIHL)

Excess noise is one of the most common occupational hazards. Based on the WHO definition, about 16% of hearing loss worldwide is attributable to occupational noise exposure.

Hazardous noise and occupational hearing health

To help companies whose employees work in noise filled environments prevent hearing damage and secure a healthy working environment, the Vitalograph Audiometer (70410) offers an innovative and easy to use solution for validating whether protective earplugs used by employees provide the specified level of protection.



PC-Based Diagnostic Audiometer (70411)

Tests available:

As per 70410 plus -

- Bone Conduction
- Weber Test
- SISI Test
- Masking (NB)
- Decreasing 10dB Random Auto Test
- Decreasing 5dB Random Auto Test
- Ear Protector Test



Multi-Parameter Test Packages

Audiometry can be performed on a PC, laptop or Windows® based tablet computer, or as part of the Vitalograph COMPACT Medical Workstation (pictured below).

As all of these system options utilise Spirotrac Software users are able to include additional diagnostic and screening tests, such as spirometry and 12 lead resting ECG, either at the time of purchase or at a future date.

Spirotrac provides users with the ability to achieve bi-directional data exchange with their Primary Care or Occupational Health electronic medical record (EMR) systems.



Please refer to the ordering information on the back page for details of the full range of optional configurations and add-on modules available.

Ordering Info

Audiometer Range

	Screening Audiometers		Diagnostic Audiometer
Part No.	70409	70410	70411
Tests			
Manual Test	•	•	•
20dB Auto Test	•	•	•
20dB Random Auto Test		•	•
xxdB Auto Test		•	•
xxdB Random Auto Test		•	•
Hughson Westlake Test		•	•
Ear Protector Test		•	•
MCL & UCL Threshold Tests		•	•
Bone Conduction Tests			•
SISI Test			•
Weber Test			•
Masking NB			•
Decrease 10dB Random Auto Test			•
Decrease 5dB Random Auto Test			•

Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services, audiometers and medical equipment servicing. With a pioneering heritage of excellence spanning half a century Vitalograph continues to make valuable contributions to effective medical care and enhanced quality of life.

Audiometers

- 70409** Screening Audiometer – Standard with Spirotrac Software
- 70410** Screening Audiometer – Advanced with Spirotrac Software
- 70411** Diagnostic Audiometer with Spirotrac Software

Includes

Audiometer with integrated headset and patient response control, bone conductor headset (**70411** only), Spirotrac Software and carry bag.

Other Spirotrac Compatible Test Devices

- 77700** 6800 Pneumotrac™ Spirometer
- 41300** BT12 12 lead resting ECG – Bluetooth®
- 70400** 7000 Pulse Oximetry Sensor - USB

Multi-Parameter Test Packages

- 77802** 6800 Pneumotrac Spirometer + 70409 Audiometer with Spirotrac Software
- 77804** 6800 Pneumotrac Spirometer + 70410 Audiometer with Spirotrac Software
- 77806** 6800 Pneumotrac Spirometer + 12 lead resting ECG + 70409 Audiometer with Spirotrac Software
- 77808** 6800 Pneumotrac Spirometer + 12 lead resting ECG + 70410 Audiometer with Spirotrac Software
- 67502** 6700 Compact + Spirometry + 70409 Audiometer
- 67504** 6700 Compact + Spirometry + 70410 Audiometer
- 67506** 6700 Compact + Spirometry + 12 lead resting ECG + 70409 Audiometer
- 67508** 6700 Compact + Spirometry + 12 lead resting ECG + 70410 Audiometer

Software

- 89001** Vitalink Software (Required for data exchange with EMIS, Vision & SystmOne electronic medical record systems*)

Technical Specifications

Dimensions 150 x 140 x 110 mm

Weight 500g

Power Supply 5V DC +/- 5% from PC USB port

Environmental Conditions for Operation

Temperature +15 to +35°C

Relative Humidity 30% to 90%

Atmospheric pressure 80kPa to 120kPa

Environmental Conditions for Storage

Temperature -10 to +50°C

Relative Humidity 95% or less (non-condensing)

Standards Compliance

Safety Standard IEC 60601-1

EMC IEC 60601-1-2

Audiometric IEC 60645-1

Medical Devices Directive 93/42/EEC

Audiometers ANSI ASA S3.6-2010

Classification

Group 1, class A, EN60601-1-2-2

* Data exchange of certain test parameters with specific electronic medical record systems may be at different stages of development. Please contact Vitalograph for further details.



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