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PTY  LIMITED  
**Amtronix**

Reg No. 1977/001577/07

**Amtronix - breaking the sound barrier**



- *African Management Software* from Amtronix (Pty) Ltd, has been specifically designed on a flexible platform to meet the needs of the South African Industry and mines
- *African Management Software*, researched, produced and marketed by Amtronix (Pty) Ltd. It has set new target levels in Computerised Industrial and Diagnostic Audiometry. Our policy is one of vigorous, continuous development. Amtronix was the first company to introduce computerised audiometry to industry in 1983. Our extensive experience is therefore embodied in *African Management Software*
- *African Management Software* was designed to integrate Audiometer Spirometry and Vision into one flexible program

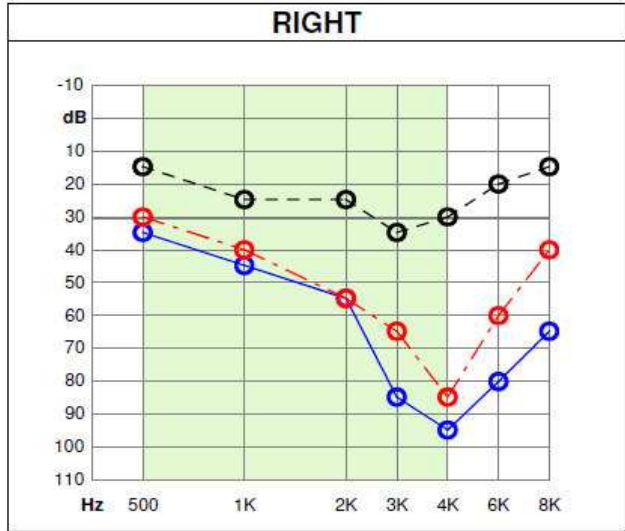
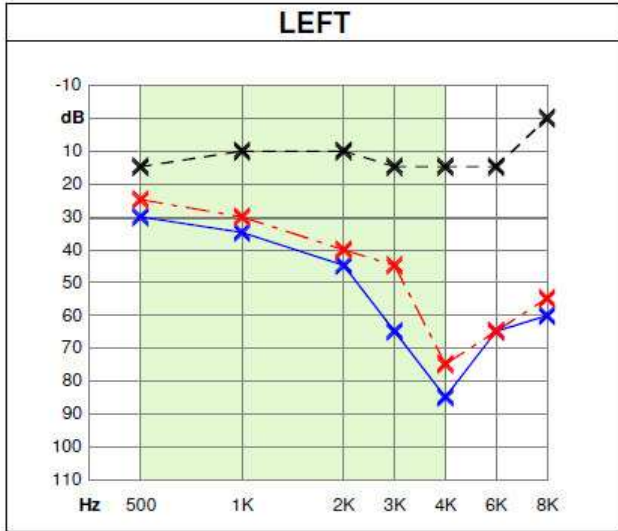
## African Management Software unique features

- African Management Software is a Java Application.
- Database independent, i.e. any JDBC compliant database will work with African Management Software, e.g. MS SQL, Oracle, MySQL, etc.
- Operating System independent (Windows, Linux or Mac)
- African Management Software is an “Click ‘n Easy” system that will calculate PLH, categorise patients, collate patient data and created a colourful audiogram.
- Instant Photo Identification (Web cam) (included)
- Re-grouping Module (optional)
- Patient Upload Modules (optional)
- Remote access (optional)
- Fingerprint Identification (optional)
- S.A. ID Verification
- Colour overlays
- Printout either in colour or black
- Historical colour overlays (several years audiograms on 1 printout)
- Diagnostic Air and Diagnostic Bone Conduction Audiogram (manual input)
- Photograph printed on audiogram
- All calibration details printed on audiogram
- Data transfer to SAP
- Data transfer to Pivot
- Data transfer to Palladium

- Data transfer to Rand Mutual Assurance
- *African Management Software* can deploy in several ways:
  - *Stand-alone*: Stand-alone with embedded lightweight and “super” fast SQL database
  - *Network without server*: Distributed on a network where one PC acts as the database host and all others as its clients. This provides shared database access across multiple clients on a network without the need for a separate database server.
  - *Network with server*: Distributed on a network where all installations share the same enterprise database e.g. MS SQL Server 2000. This enables clients to manage their data on a central server with all the associated benefits e.g. security (physical, network, software) regular backups, housekeeping etc.
- Automatic daily back-up on start-up & shutdown
- Automatic remote backup
- *African Management Software* uses open source software, i.e. no additional expensive programs required (e.g. MS Access)
- *African Management Software* allows the user to customize certain set-up features, i.e. disable colour bands, colour or black printing, various search features, etc.
- *African Management Software* has Multi-Database support, allowing users to simply switch between different databases directly from within the application (HSQL only)
- *African Management Software* has a sophisticated reporting engine which enables us to customise reports to your requirements.
  - All reports can be saved in a proprietary format for reprinting later.
  - All reports can be exported as .csv files to allow reports to be opened and manipulated as a spreadsheet.
  - All reports can also be exported to .pdf (Portable Document Format) which allows documents to be forwarded to a 3<sup>rd</sup> party without risk of the document being altered (read only)

### Audio Test Details (Amtronix (Pty) Ltd)

<b>Patient Number:</b> 690311	<b>Date of Birth:</b> 11 March 1969	<b>Company:</b> Amtronix (Pty) Ltd
<b>Patient Name:</b> Geier, Steven John	<b>Length of Service:</b> 2000-10-01	<b>Department:</b> Tech
<b>Gender / ID No:</b> Male / 690311	<b>Noise Exposure:</b> 85 - 104	<b>Position:</b> Manager



Identifier	Test Date	Type	Serial No.	Operator	PLH	PLHD	PLHS	PD	LDSHL	RDSHL	ABHL
Blue	2004-10-01 11:56:51	Screening	42354 (2354)	admin	40.40	9.80	37.30	18.65	175	220	49
Red	2003-10-14 11:45:47	Screening	42354 (2354)	admin	30.60	21.20	27.50	13.75	140	190	41
Black	2001-10-01 11:30:57	Baseline	-	admin	3.10	-0.60	0.00	0.00	50	100	18

Identifier	Test Date	L 500	L 1K	L 2K	L 3K	L 4K	L 6K	L 8K	R 500	R 1K	R 2K	R 3K	R 4K	R 6K	R 8K
Blue	2004-10-01 11:56:51	30	35	45	65	85	65	60	35	45	55	85	95	80	65
Red	2003-10-14 11:45:47	25	30	40	45	75	65	55	30	40	55	65	85	60	40
Black	2001-10-01 11:30:57	15	10	10	15	15	15	0	15	25	25	35	30	20	15

Identifier	Test Date	Age	L- Lo	LL Cat	R- Lo	RL Cat	Lo Cat	L- HI	LH Cat	R- HI	RH Cat	HI Cat	CAT	PBI	RTS
Blue	2004-10-01 11:56:51	35	110	3A	135	3A	3A	215	3A	260	3A	3A	3C	30.93	25 R8K
Red	2003-10-14 11:45:47	35	95	3A	125	3A	3A	185	3A	210	3A	3A	3C	18.12	40 L4K
Black	2001-10-01 11:30:57	35	35	1	65	2	2	45	2	85	2	2	2	0.00	0



Notes:

Acknowledgement >> Operator: \_\_\_\_\_ Date: \_\_\_\_\_  
 Patient: \_\_\_\_\_ Date: \_\_\_\_\_

Audiometer	RA300
Serial No.	42354 (2354)
Last Calibration	2001-10-01
Next Calibration	2002-10-01
Calibrated By	Amtronix (Pty) Ltd S.Geier

### Vision Test Details (Amtronix (Pty) Ltd)

<b>Patient Number:</b>	26364646	<b>Date of Birth:</b>	11 March 1970	<b>Company:</b>	Amtronix (Pty) Ltd
<b>Patient Name:</b>	Hardy, Shawn	<b>Length of Service:</b>	2007-01-01	<b>Department:</b>	Tech
<b>Gender / ID No:</b>	Male / 74848488	<b>Job Standard:</b>	Machine	<b>Position:</b>	Manager
<b>Test Date:</b>	30 October 2007	<b>Test Time:</b>	16:04:22	<b>Operator:</b>	admin

FAR POINT				
Day/Night Illumination:	DAY	DAY		
Description	Scoring (naked eye)	Scoring (with lenses)	Interpretation	Standard
Binocular Vision	3 cubes	3 cubes	PASS	3 cubes
Visual Acuity Both	6/15	6/10.5	REFER	6/7.5
Visual Acuity Left	6/15	6/12	REFER	6/9
Visual Acuity Right	6/15	6/10.5	REFER	6/9
Stereo Depth Perception	70%	95%	PASS	70%
Colour Perception	4 correct	8 correct	PASS	5 correct
Muscle Balance Vertical	1/2H	1/2H	PASS	1/2L - 1/2H
Muscle Balance Lateral	5H	1H	PASS	4L - 5H

NEAR POINT				
Day/Night Illumination:	DAY	DAY		
Description	Scoring (naked eye)	Scoring (with lenses)	Interpretation	Standard
Binocular Vision	3 cubes	3 cubes	PASS	3 cubes
Visual Acuity Both	6/5	6/5.5	PASS	6/7.5
Visual Acuity Left	6/5.5	6/5.5	PASS	6/9
Visual Acuity Right	6/5.5	6/5.5	PASS	6/9
Muscle Balance Vertical	1/2H	1/2H	PASS	1/2L - 1/2H
Muscle Balance Lateral	ORTHO	ORTHO	PASS	4L - 5H

HORIZONTAL VISUAL FIELD		(YES= Response, NO= N							
Left Peripheral	Nasal 45°	YES	55°	YES	70°	YES	85°	NO	
Right Peripheral	Nasal 45°	YES	55°	YES	70°	YES	85°	NO	

Acknowledgement >>

Operator: \_\_\_\_\_ Date: \_\_\_\_\_

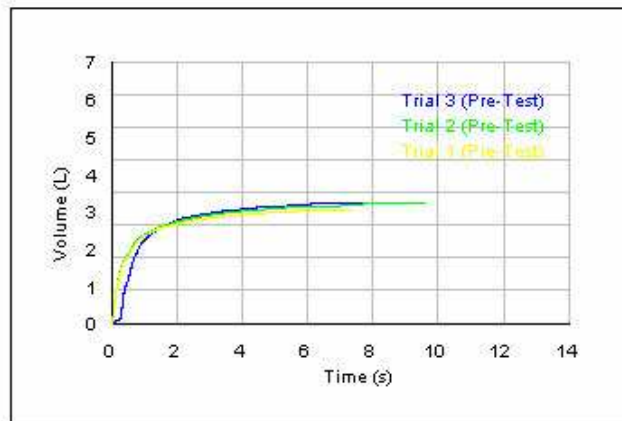
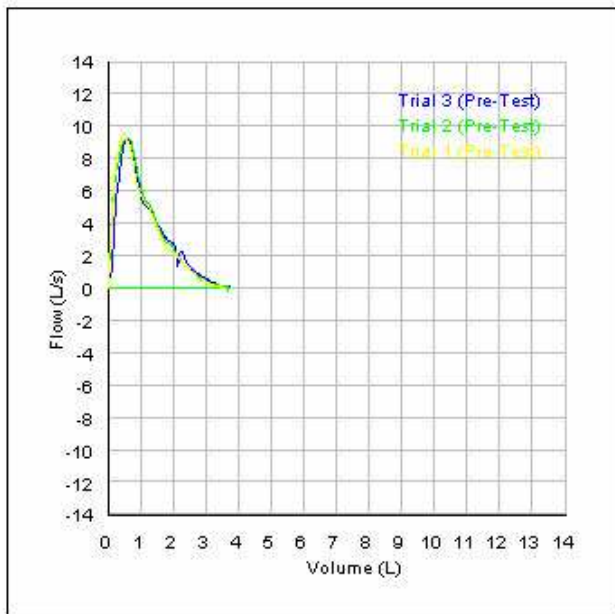
Patient: \_\_\_\_\_ Date: \_\_\_\_\_



### Lung Function Test Details (Amtronix Test Labs)

Patient Number:	09284841	Gender & Ethnic:	Male / Caucasian	Company:	Amtronix (Pty) Ltd
Patient Name:	Hardy, Shawn	Height & Weight:	168 / 72	Department:	Sales
Identity No:	7006115163081	Smoker:	NO	Position:	Slaes
Date of Birth:	11 June 1970	Asthma:	NO	Service:	2005-05-02
Test Date:	15 April 2008	Test Time / (Post):	16:07:20	Operator:	admin

Parameter	Pred	Trial 3	Trial 2	Trial 1	Pred %
FVC (L)	4.37	3.72	3.69	3.49	84.94
FEV1 (L)	3.66	2.80	2.72	2.69	76.63
FEV1/FVC (%)	80.50	75.49	73.71	77.05	90.21
PEF (L/s)	8.87	9.04	9.17	9.43	101.89
FEF 25-75 (L/s)	4.37	2.16	1.90	2.21	49.45
FEF 75 (L/s)	2.08	0.78	0.60	0.80	37.36
FEF 50 (L/s)	4.87	2.90	2.76	2.54	59.59
FEF 25 (L/s)	7.63	6.74	7.78	7.01	88.34
FET	-	7.95	9.40	6.86	-



Notes/Interpretation

Acknowledgement >> Operator: \_\_\_\_\_ Date: \_\_\_\_\_  
 Patient: \_\_\_\_\_ Date: \_\_\_\_\_



# Most Frequently Asked Questions

- **Who supplies African Management software**
  - Amtronix (Pty) Ltd
- **Is it easy to use?**
  - Yes, we provide training within an hour
- **Will African Management Software save my company money?**
  - Yes, because African Management Software is several times faster than your existing software program, therefore there is saving time and money.
- **Does African Management Software comply with all current legislation including Regulation 171?**
  - Yes
- **Can my existing patient data be converted to African Management software?**
  - Yes, this process is done during installation.
- **Does African Management software do backups?**
  - Backups are in the morning and the evening automatically to the harddrive
- **How many digits can be entered for the patient ID**
  - 256
- **Do I need a colour printer?**
  - No
- **Can I do overlay history profiles?**
  - Yes, all audiograms can be overlaid in different colours for easy visual display of hearing loss progression.
- **Can I print patient's photograph on audiogram?**
  - Yes, African Management Software is supplied with digital camera as standard.
- **How many audio tests can be done simultaneously?**
  - Any number from 1 to 16 with one P.C.

- **How long do audiograms take?**
  - You can do 1 to 16 audiograms in as little as 3 to 5 minutes.
  
- **Can you make enhancements for me to customise the program?**
  - Yes.
  
- **To save time, can I input all patient information today for tomorrow's tests?**
  - Of course, we call it streamlining... Input and save for tomorrow.
  
- **Can I have fingerprint I.D.?**
  - Yes. Fingerprint Verification, optional.
  
- **I have a Titmus i400/ C Vision Screener and EasyOne Spirometer from Amtronix. Can I merge them into the same program?**
  - Yes.

