

VT1 Master & VT1 Master GT

PC based vision testers

Proven to minimise test times with fully customisable test routines and automated data management, the VT1 and VT1 Master are the future in occupational vision screening.

Occupation Specific Testing

The VT1 and VT1 Master test routines can be adapted to include only the visual parameters required. Full customisation options such as patient routines, test symbol options or the parameters below, allow for a truly personalised screening routine.

- Visual acuity (near, far and intermediate)
- Depth perception
- Fusion
- Colour perception
- Amsler
- Lateral and vertical phoria
- Astigmatism
- Contrast sensitivity
- Night vision
- Horizontal and vertical peripheral field tests
- Glare sensitivity (VT 1 Master)

Automated Data Management

To minimise administration times and duties, test results are automatically saved and managed within the supplied Electronic Medical Record (EMR) software. All data can easily be exported and the software can interface directly with a number of other OH EMR systems.

Portable

Compact and portable, the VT1 is supplied with a custom designed carry case so it is suitable for testing anywhere.

- PC operated
- Customisable patient instructions
- Time-saving user defined test routines
- Horizontal and vertical peripheral field tests
- EMR connectivity



VT1 & VT1 Master

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Technical Specifications

Dimensions:	Width x Length x Height 47 x 43 x 35 cm 21 x 14 x 18'
Weight:	4.8 kg / 10.7 lbs
Lighting Conditions:	High photopic (160 candelas) Low photopic (80 candelas) Mesopic night vision (3 candelas)
Lighting System:	Lit by 16 white LEDs driven by microcontroller and diffuser system
Distances:	Far vision 6m ± 0.1m Intermediate vision 60 cm ± 0.5 Near vision 33 cm ± 0.25 cm Hyperopia lenses: +1 diopter
Test Band:	High definition photographic film
Reactivity:	Time between two neighbouring tests: 700ms Time to go from one slide to another: 1s
Test Time:	Routine time 3 minutes In-depth test: 5 minutes
Applied Part:	Type B
Medical Class:	Class I 3rd Ed Annex IX of MDD 93/42/EEC
Marking:	CE
Reference Standards:	EN60601-1, EN60601-1-2, NF EN ISO 8596
Power:	24W
Power Supply:	12 VDC from an external medical power supply
Humidity:	75% maximum
Operating Temperature:	Between 15 and 35°C Between 59 and 95°F
Test Time:	Routine time: 3 minutes In-depth test: 5 minutes
Warranty:	2 years

VT1 Series Model Comparison

Basic Tests	VT1 MASTER	VT1
Letters (Bino & Mono)	✓	✓
Numbers (Bino & Mono)	✓	✓
Landolt Rings (Bino & Mono)	✓	✓
Amsler	✓	✓
Hyperopia Test	✓	✓
Depth Perception	✓	✓
Fusion	✓	✓
Astigmatism	✓	✓
Red / Green Duochrome	✓	✓
Vertical & Horizontal Phorias	✓	✓
Ishihara Type Colours Test	✓	✓
Horizontal & Vertical Visual Field	✓	✓
Additional Tests		
Central Visual Field	✓	✓
Glare Sensitivity	✓	
Glare Resistance	✓	
Contrast Sensitivity	✓	✓
Functions		
Far Vision	✓	✓
Intermediate Vision	✓	✓
Near Vision	✓	✓
High Photopic	✓	✓
Low Photopic	✓	✓
Mesopic (Night Vision)	✓	✓

System Requirements

- PC with Windows 10
- CD and hard disc drive
- Internal memory and available disc space as required by the PC operating system
- Software will be supplied on a CD
- Interface: USB

amplivox

Amplivox Ltd, 3800 Parkside, Solihull
Parkway, Birmingham Business Park,
Birmingham, West Midlands, B37 7YG
T: +44 1865 880 846 E: hello@amplivox.com

www.amplivox.com