

Product description

Titmus Vision Screeners are ergonomically designed, precision-built stereoscopic instruments, providing precise and prompt measurement of visual performance. The screeners are engineered for accuracy, validity and reliability with emphasis on convenience and ease of administration.

Features

- Compact and Portable. Optional carrying case with wheels available.
- Ergonomics: Unique design that accommodates both adults and children, either standing or seated. Ensures patient is in a comfortable position for testing.
- Testing: Tests at 20 feet (6m) for FAR and 14 inches (35cm) for NEAR vision. A variety of tests are available to screen for visual acuity, muscle balance (horizontal and vertical phoria), depth perception, color perception, and binocular vision. Total of 16 tests per vision screener (based on slide set selected).
- Fluorescent Light Source: Improves slide illumination, replicates actual daylight conditions and provides true color testing. Light will give years of extended service (10,000 hours).
- Membrane Control Panel: Instrument controls Located at your fingertips for ease of operation. Ease of placement — helps where space is limited. Indicators on panel for far/near, patient head position, eye occlusion, test slide position. Membrane Panel indicates when to replace light.
- Foam Headrest: Soft headrest to ensure correct head position. Easy to clean.
- Head Sensor: Electronic check to ensure correct head position. Patient cannot see tests, if head is incorrectly positioned.
- Peripheral Vision Testing: Can perform peripheral vision testing in the horizontal visual field at 85°, 70°, 55° and nasal 45° for each eye.
- Night Vision Testing: Can screen vision at night driving conditions.
- Intermediate or Plus Lenses (Optional). Five additional lenses are available to identify vision problems at actual working distance (intermediate vision) of 19, 22, 26, 32 and 40 inches (50, 57, 67, 80 and 100 cm). Plus lenses with values of +1.00, +1.50, +1.75 and +2.25 are also available for testing children's vision.



Applications

- Occupational: Used by Occupational Health Professionals for screening vision of adults for various job functions.
- Professional: Family Physicians and General Practitioners use the V4 for general screening of vision for both adults and children.
- Pediatric: Used by Pediatricians for general screening of vision for younger children.
- Aeromedical: Used by Aeromedical Examiners for screening vision of pilots
- School: For general vision screening for all school children.

Technical Details

Power Supply:	110-240 VAC, 0.4A-0.2A, 50/60 Hz
Cords:	Power cord, length 10 ft / 3 m Control panel cord, FireWire connector, length 3 ft / 1 m
Illumination:	Per ISO 8596 and ANSI Z80.21 Stds
Dimensions:	W x L x H units (closed condition) 11 x 17 x 7.5 in / 28 x 43 x 19 cm
Weight:	13 lbs / 6 kg
Temperature:	+50°F to -104°F / +10°C to +40°C
Humidity:	30% to 75%

Standards

Meets the following CE, UL, and CSA Standards.
Europe: EN 60601-1, IEC 60601-1, 3rd ed, Class I, Annex IX of MD D 93/42/EEC
USA: AAMI ES 60601-1
Canada: CSA-C22.2, No. 601.1-M90, Class I Device, CB Scheme: IEC 60601-1

Standard Accessories

- 8 Test slides made from high grade photographic film sealed between optical-quality glass.
- Training manual.
- Record forms - pad of 100 forms to record test results.
- 10 Lens cleaning wipes
- Package of 3 fog eliminator cloths.
- Dust cover for instrument storage

WARNING! THIS DOCUMENT PROVIDES AN OVERVIEW OF PERSONAL PROTECTIVE PRODUCTS AVAILABLE FROM TITMUS AND CARE HAS BEEN TAKEN TO ASSURE THE ACCURACY OF THE DATA. IT DOES NOT PROVIDE IMPORTANT PRODUCT WARNINGS AND INSTRUCTIONS. TITMUS RECOMMENDS ALL USERS OF ANY PERSONAL PROTECTIVE EQUIPMENT UNDERGO THOROUGH TRAINING, AND THAT ALL WARNINGS AND INSTRUCTIONS PROVIDED WITH THE PRODUCTS BE THOROUGHLY READ AND UNDERSTOOD PRIOR TO EACH USE. FAILURE TO READ AND FOLLOW ALL PRODUCT WARNINGS AND INSTRUCTIONS COULD RESULT IN SERIOUS INJURY.