



## Sperian introduces the new Titmus VSeries Vision Screeners

Sperian set the standard for vision screening instruments in 1959 with the introduction of the OV7 model vision screener. As the market leader, Sperian has now developed the new Titmus VSeries of vision screeners. We have taken the best of TITMUSiSeries and Model 2 to create these 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.

The Titmus VSeries family of vision screening instruments features a compact, foldable, lightweight design, ergonomics for patient comfort, standardized test illumination and integrated handle for ease of transport. All models in the Titmus VSeries family combine a variety of vision screening tests to meet your vision screening requirements.



### Titmus V4 – Features & Benefits

#### KEY FEATURES

##### Compact and Portable

Features an built-in handle for ease of transport. 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 – needed for efficient and accurate 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 (10000 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.





## TITMUS™ V4 VISION SCREENER

## PRODUCT SPECIFICATION

### ADDITIONAL FEATURES

#### 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.

### TEST SLIDES AVAILABLE

Other test slide sets are also available.

**Occupational:** Used by Occupational Health Professionals for screening vision of adults for various job functions

**Professional:** Used by Family Physicians, General Practitioners for general screening of vision for both adults and children

**Aeromedical:** Used by Aeromedical Examiners for screening vision of pilots

**Pediatric:** Used by Pediatricians for general screening of vision for younger children

**School:** Used by Family Physicians, Pediatricians for general screening of vision for all school children

TITMUS VSERIES MODEL COMPARISON

Model	Titmus V4	Titmus V2
Membrane Control Panel	◆	
Built-In Membrane Switches		◆
Ergonomics	◆	◆
New Fluorescent Light Source	◆	◆
Portability	◆	◆
Soft Foam Headrest	◆	◆
Head Positioning Sensor	◆	
Peripheral Vision Testing	◆	◆
Test Slide Advance/Reverse	control panel	manual
Night Vision Testing	◆	
Carrying Case	optional	optional
Standard Accessories	◆	◆

Sperian Protection Optical, Inc.  
 690 HP Way, Chester, VA 23836, USA  
 1-800-446-1802 / +1-804-452-5200  
 info@titmus.com  
 www.sperian.com (Product Category – Eye & Face / Vision Screening)

### Warranty

The Titmus V4 Vision Screener has a warranty for a period of two (2) years against defects in materials and workmanship from date of purchase. Warranty includes the light module.

### 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
- Accessory Case for storing lens cleaning wipes, fog eliminator cloths, and lenses
- Dust Cover for instrument storage

### Electrical Standards

Meets the following CE, UL, and CSA Standards.

- Europe: EN 60601-1, IEC 60601-1, 3<sup>rd</sup> ed  
 Class I, Annex IX of MDD 93/42/EEC
- USA: AAMI ES 60601-1
- Canada: CSA-C22.2, No. 601.1-M90  
 Class I Device
- CB Scheme: IEC 60601-1

### Technical Data

- Power Supply: 110-240 VAC, 0.4A-0.2A, 50/60 Hz
- Cords:
1. Power cord, length 3 meters
  2. Control panel cord, FireWire connector, length 1.00 meter
- Illumination: Per ISO 8596 and ANSI Z80.21 Stds
- Dimensions: W X L X H units (closed condition)  
 11.00 X 17.00 X 7.75 inches  
 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% (non-condensing)
- Pressure: 80-106 kPa

### How to select a vision screener:

**STEP 1:** Select Model Titmus V4 or Titmus V2 based on features & benefits, ex. Titmus V4

**STEP 2:** Select a slide set based on the type of testing, ex. Occupational, Professional, etc.

**STEP 3:** Provide the Vision Screener Model AND Slide set information to your distributor, ex. Titmus V4 Occupational