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voltX 15VISION

voltX VISION Safety Readers Instruction Manual

Model: 15VISION | Brand: voltX

1. INTRODUCTION

The voltX VISION Safety Readers are designed to provide both eye protection and magnified vision for tasks requiring close attention. These safety glasses feature full lens magnification, are certified to ANSI Z87.1+ and CE EN166F standards, and include anti-fog and UV400 coated lenses for enhanced clarity and protection. This manual provides essential information for the safe and effective use, maintenance, and care of your voltX VISION Safety Readers.



Image 1.1: Front view of voltX VISION Safety Readers. These glasses feature a black frame and clear magnified lenses.

2. SAFETY INFORMATION

It is crucial to read and understand all safety information before using your voltX VISION Safety Readers. These glasses are

designed for personal eye protection in various environments.

2.1 General Safety Guidelines

- Always inspect the safety readers for any damage before each use. Do not use if lenses are scratched, cracked, or if the frame is broken.
- Clean lenses regularly to maintain clear vision and prevent obstruction.
- These safety readers are designed to protect against impacts, UV radiation, and fogging. They are not designed for protection against chemical splashes, molten metal, or intense radiation.
- Ensure the glasses fit snugly and comfortably to provide optimal protection.
- Store in a protective case when not in use to prevent damage.

2.2 Certifications

The voltX VISION Safety Readers meet the following international safety standards:

- **ANSI Z87.1+:** American National Standards Institute for Occupational and Educational Personal Eye and Face Protection Devices. This certification indicates high-impact resistance.
- **CE EN166F:** European Standard for Personal Eye-Protection. 'F' signifies low-energy impact resistance.



Image 2.1: Comparison highlighting the importance of certified safety glasses like voltX VISION against unbranded alternatives.



Image 2.2: Example of the CE certification document, ensuring compliance with European safety standards.

3. PRODUCT FEATURES

The voltX VISION Safety Readers are engineered with several features to enhance user experience and protection:

- **Full Lens Magnification:** Unlike bifocals, the entire lens provides magnification, available in strengths from +1.0 to +3.0 Dioptre. This specific model features +1.5 Dioptre clear lenses.
- **High Impact Polycarbonate Lenses:** Durable lenses designed to withstand significant impact, meeting ANSI Z87.1+ and CE EN166F standards.
- **Anti-Fog Coating:** Lenses are treated with an anti-fog coating to maintain clear vision in varying environmental conditions.
- **UV400 Protection:** Provides 100% protection against harmful UVA and UVB rays.
- **Lightweight Thermoplastic Polyamide Frame:** The matt black frame is lightweight (approximately 29g) and designed for comfort during extended wear.
- **Integrated Side Shields:** Clear side shields are integrated into the frame design for additional peripheral protection.



Image 3.1: Diagram illustrating key features such as UV400 lens, anti-fog coating, lightweight design, thermoplastic frame, and polycarbonate lens.

Your browser does not support the video tag.

Video 3.1: A 360-degree view of the voltX VISION Safety Readers, showcasing its design and features like lightweight construction, UV400 lens, high-impact polycarbonate lens, anti-fog coating, and certified protection.

4. SETUP AND FITTING

Proper fitting of your safety readers is essential for both comfort and effective protection.

4.1 Unpacking

Carefully remove the safety readers from their packaging. Inspect them for any signs of damage that may have occurred during

shipping. If any damage is found, do not use the product and contact customer support.



Image 4.1: The voltX VISION Safety Readers are supplied in protective packaging.

4.2 Wearing the Safety Readers

- Place the safety readers on your face, ensuring the nose pads rest comfortably on your nose bridge.
- Adjust the temples (arms) so that they sit securely behind your ears without causing pressure points.
- The lenses should cover your eyes completely, and the integrated side shields should provide coverage to the sides of your eyes.
- Ensure there are no significant gaps between the glasses and your face that could allow debris to enter.



Image 4.2: Side view of the safety readers, showing the integrated side shields for enhanced protection.

5. OPERATING INSTRUCTIONS

The voltX VISION Safety Readers are straightforward to use. Simply wear them when performing tasks that require both eye protection and magnified vision.

- **For Magnified Tasks:** Look through the lenses as you would with regular reading glasses. The full lens magnification ensures a wide field of view for close-up work.
- **For General Eye Protection:** Wear the glasses continuously in environments where eye hazards are present, such as workshops, construction sites, or during DIY projects.
- The anti-fog coating helps maintain clear vision in humid or temperature-changing conditions.
- The UV400 lenses protect your eyes from harmful ultraviolet radiation when working outdoors.

CE STANDARDS CERTIFICATION



EU TYPE-EXAMINATION CERTIFICATE
Regulation (EU) 2016/425, MODULE B
0598/PPE/21/2187 Issue 2

Product Personal eye-protector
Model Safety Glasses: T9418
Trademark voXX safety
Certificate Holder / Manufacturer Straight Lines Trading Company Ltd
33 Delamere Gardens Mill Hill, London, NW7 3EA, United Kingdom
Product complies with the applicable essential health and safety requirements of Regulation (EU) 2016/425 and standard(s) mentioned below
Standard(s) EN 166:2001 (Personal eye-protection) - optical class 1, with mechanical strength requirements: Protection against high speed particles at extremes of temperature (Low energy impact - FT), Resistance to fogging of oculars (NF)
EN 170:2002 (Personal eye-protection - Ultraviolet filters)
Validity This certificate is valid until 2028-05-19.
Date of issue 2023-05-19
Signature 
Stephanie Mackenzie

SGS Finka Ltd is a Notified Body (NBB) according to the Personal Protective Equipment Regulation (EU)




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Additional information voXX (top) T9418 Safety Glasses, thermoplastic polyamide frame, with clear polycarbonate lenses and side shields.
Available with the lens types described below.
Contract No: TH-CERT230500051-01 / GS-202305003841.
Technical File: 23YAS0007, dated: 2023-04-28.
Detailed Characteristics:
Lens type (Sker scale No.)
Plano ocular: Clear lens (2-1.2)
also available in +1.0, +1.5, +2.0, +2.5, +3.0, +3.5, +4.0 dioptre strength options.

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YOUR GUARANTEE OF SAFETY & CONFORMITY

Image 5.1: The safety readers provide clear magnified vision for detailed tasks, as demonstrated by text on paper.

6. MAINTENANCE AND CARE

Proper maintenance extends the life of your safety readers and ensures continued protection.

6.1 Cleaning

- Use a soft, lint-free cloth (preferably microfiber) to gently wipe the lenses.
- For stubborn dirt or smudges, use a mild soap solution or a specialized lens cleaning spray. Rinse with clean water and air dry or gently pat dry with a clean microfiber cloth.
- Avoid using abrasive cleaners, paper towels, or clothing, as these can scratch the lenses and damage the anti-fog coating.

6.2 Storage

- When not in use, store the safety readers in a protective case or pouch to prevent scratches and damage.
- Avoid leaving the glasses in direct sunlight or extreme temperatures, as this can deform the frame or degrade the lens coatings.

6.3 Inspection

- Regularly inspect the lenses for scratches, cracks, or haziness that could impair vision or reduce impact protection.
- Check the frame for any signs of breakage, cracks, or loose components.
- If any damage is detected, replace the safety readers immediately to ensure continued protection.

7. TROUBLESHOOTING

Here are solutions to common issues you might encounter with your voltX VISION Safety Readers:

Problem	Possible Cause	Solution
Lenses fogging up	Extreme temperature changes or high humidity overwhelming anti-fog coating.	Ensure lenses are clean. If fogging persists, briefly remove glasses to allow air circulation, then re-wear.
Blurred or unclear vision	Dirty lenses, scratched lenses, or incorrect dioptre strength for task.	Clean lenses thoroughly. If scratched, replace glasses. Ensure correct magnification for your needs.
Glasses feel loose or uncomfortable	Improper fit or frame damage.	Adjust the position on your face. If the frame is bent or damaged, consider replacement.
Reduced impact protection	Damaged lenses or frame.	Immediately replace the safety readers if any damage is observed. Compromised integrity reduces protection.

8. SPECIFICATIONS

Detailed technical specifications for the voltX VISION Safety Readers:

- **Model Number:** 15VISION
- **Dioptre Strength:** +1.5 Dioptre (Full Lens)
- **Lens Material:** Polycarbonate
- **Frame Material:** Thermoplastic Polyamide
- **Color:** Clear Lens, Matt Black Frame
- **Item Weight:** Approximately 1.06 ounces (30g)
- **Product Dimensions:** 6.18 x 5.51 x 1.69 inches (157mm x 140mm x 43mm approx.)
- **UV Protection:** UV400 (100% UVA/UVB protection)
- **Special Features:** Anti-Fog Coating, Integrated Side Shields
- **Certifications:** ANSI Z87.1+, CE EN166F



Image 8.1: Detailed dimensions of the voltX VISION Safety Readers for reference.

9. WARRANTY AND SUPPORT

voltX products are manufactured to high-quality standards. For specific warranty details, please refer to the product packaging or contact voltX customer support. If you have any questions, require assistance, or need to report an issue with your safety readers, please contact the retailer or manufacturer directly.

