



TECHNICAL DATA SHEET

UD 46 IR (GREEN)

Safety Spectacle

Product Introduction:

- Udyogi UD-46 IR (Green) Safety Spectacles is wrap around single lens, designed to offer superior protection for workers in various industrial environments.
- These brow guard frame with polycarbonate lenses provide ideal for welding, brazing, furnace etc.
- Designed to meet IS 2925, PART-1:2022 and standard, which covers requirements for optical quality, mechanical strength, and impact protection.



Features:

- Suitable for furnace/welding/brazing/cutting etc.
- Brow guard frame with polycarbonate lens provides side protection
- Hard coating on lens ensures that the lenses remain clear and prevents scratches that expands shelf life.
- Modern temple design & soft nylon temple tips contour to fit head shapes without stress
- 5-point Length adjustable temples for all head sizes
- Brow guards shield the eyes from debris, dust, and other particles that might enter from above
- Lens offers users the clearest and the most panoramic view without obstruction
- Lens filters out 99.9% of harmful UV light
- Slim, stylish temple furnish wearer with durability and resilience

Benefits:

- **Prevention of Long-term Eye Damage:** Shields eyes from harmful UV and infrared radiation, reducing the risk of vision impairment and conditions like cataracts, especially in industries like welding and cutting.
- **Recyclable:** Polycarbonate is recyclable. After the safety spectacles reach the end of their useful life, they can be recycled, helping to reduce environmental impact.
- **Durability:** The robust construction and weather-resistant properties of the Polycarbonate lens ensure long-lasting performance, even in harsh conditions.
- **Comfort and Visibility:** Specialized lenses reduce glare and enhance clarity, allowing workers to perform tasks with better precision and comfort.



Product Specifications:

Model: UD 46 IR (Blue) - Safety Spectacle

Lens Component: Polycarbonate

Temple Component: Nylon

Lens option: Green Shade 5

Optical Class: 1

Filter: Shade -5

Impact Resistance: F (45 m/s)

Coating: K (Hard Coat)

Weight: 40 grams

Temple Length: 104.4 mm.

Width between temple tips: 88.63 mm.

Hinge to hinge width: 145 mm.

Max height of Lens: 55.22 mm.

Packaging: 50 pcs. per carton

Standard: IS 8521, PART-1:2022

Applications

- **Protection from UV/IR Radiation:** Shields eyes from harmful light during welding and brazing.
- **Prevents Eye Injuries:** Guards against sparks, debris, and hot metal particles.
- **Reduces Glare:** Enhances visibility while reducing glare from bright welding arcs.

INDUSTRY :



Mining



Construction



Railroad Industry



Automotive



Iron & Steel



Oil & Gas



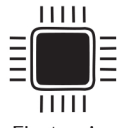
Marine



Manufacturing



Power



Electronics Manufacturing



Aerospace



FMCG



Agriculture



Food Processing





Safety Information :

- Avoid Exposure to High Temperatures although polycarbonate is durable, prolonged exposure to extreme heat may affect its integrity.
- Check the spectacles regularly for any cracks, scratches, or damage. Replace them if the integrity is compromised to ensure continued protection.
- Clean the lenses regularly with a soft, clean cloth to maintain clear vision. For stubborn dirt or chemical residue, use mild soap and water.

Usage Instructions :

- Place the spectacles over eyes gently, ensuring they fit securely.
- Adjust the temples so the spectacles sit comfortably on your nose & ears.
- Ensure the lenses cover your entire eye area, providing maximum protection without obstructing your vision.

Storage :

- Can be stored in the dark for up to 2 years
- Do not store in direct / high heat or sunlight as this may distort the color
- Can be stored and transported in their original cartons at ambient temperature (0° C to +30° C)

