



TECHNICAL DATA SHEET

UD 46 IR (BLUE) Gas Welding & Cutting

Product Introduction:

- Udyogi UD-46 IR (Blue) 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 gas cutting, brazing, furnace etc.
- Designed to meet IS 2925, PART-1:2022 standard, which covers requirements for optical quality, mechanical strength, and impact protection



Features:

- Suitable for gas welding and cutting operations, or for very low-current plasma cutting etc.
- Brow guard frame with polycarbonate lens provides side protection
- Anti fog coating on lens ensures that the lenses remain clear and provide clear vision even in humid condition
- 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 impairment and conditions like cataracts, especially in industries like welding and cutting.

- **Comfort and Visibility:** Specialized lenses reduce glare and enhance clarity, allowing workers to perform tasks with better precision and comfort.
- **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.

Udyogi



Product Specifications:

Model: UD 46 IR (Blue) - Safety Spectacle

Lens Component: Polycarbonate

Temple Component: Nylon

Lens option: Blue Shade 7

Optical Class: 1

Filter: Shade 7

Impact Resistance: F (45 m/s)

Coating: N (Anti Fog)

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: 100 pcs. per carton

Standard: IS 2925, PART-1:2022

Applications: Protection from UV/IR

- **Radiation:** Shields eyes from harmful light during gas welding and brazing.
- **Prevents Eye Injuries:** Guards against sparks, debris, and low heated metal particles.
- **Reduces Glare:** Enhances visibility while reducing glare from light welding arcs.

Industry:



Mining



Construction



Railroad Industry



Automotive



Iron & Steel



Oil & Gas



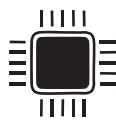
Marine



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)