

## TECHNICAL DATA SHEET

### ET 50

#### HELMET MOUNTED EAR MUFF

#### Product Introduction:

- These unique features of UDYOGI ET 50 make industrial earmuffs made of Co-polymers, it is equipped with specialized clips or brackets that slot into designated attachment points on the helmet. suitable for a wide range of demanding industrial applications, providing both protection and comfort.
- Designed to meet EN352-3:2002 standard, it ensures maximum protection for the wearer in various high noise environments.

#### Features:

- These helmet mountable earmuffs quickly and easily attach to UDYOGI ULTRA 5000 SERIES helmets.
- Can be used with a combination of face shield
- Made of high impact, heat resistant, moisture Co-polymer.
- The earmuffs reduce pressure on the eardrum through strategic air openings that ensure equalized pressure.
- Soft padding on ABS cups provides a comfortable seal around the ears, reducing pressure and enhancing comfort for long-term use.

#### Benefits:

- **Cost-Effective:** ET-50 provides high performance at a low cost. Hence it is a cost effective product.
- **Safety Compliance:** ET-50 earmuffs provide reliable and consistent noise reduction, ensuring compliance with safety regulations. This can prevent potential fines or penalties related to non-compliance.
- **Easy to Clean:** Co-polymer surfaces are smooth and non-porous, making them easy to wipe clean and maintain.
- **Recyclable:** ABS is a thermoplastic, meaning it can be melted down and reformed multiple times without significantly degrading its properties. This makes it inherently recyclable
- **Durability:** This earmuffs can withstand harsh industrial environments.



### Product Specifications:

**Model:** ET 50 (HELMET MOUNTED EAR MUFF)  
**Product Type:** Helmet mounted ear muff  
**Cup Material:** Co-polymer, Dual mould  
**Inserts:** PU (Polyurethane foam)  
**Cushions:** Foam with PVC black lid  
**Metal Spring:** SS (Stainless Steel)  
**Clip material:** Polycarbonate  
**Weight:** 290 grams.  
**Testing Frequency Ranges (Hz):** 125, 1000, 8000  
**Attenuation Results (dB):** 34(High); 27(Medium); 21(Low)  
**Attenuation ratings: SNR:** 28 dB ; **NRR:** 23 dB  
**Color:** Black/Blue  
**Packaging:** 20 pair per carton  
**Standard:** EN352-3:2002

### Construction



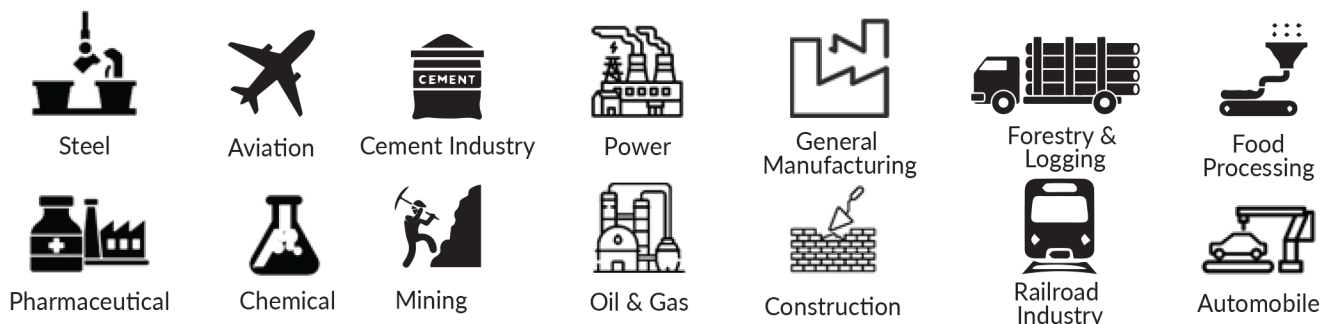
**Insert:** Inner Foam Paded cushion

### Applications :

- ET FLEX is widely used across various fields to provide essential hearing protection, enhance safety, and improve comfort and productivity.
- These are crucial in any setting where exposure to high noise levels is a concern, ensuring workers' hearing health and compliance with safety regulations.
- Used to reduce protect from dust and water

### Industry :

These helmets are utilized for their protective and practical features in various industries such as



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**Safety Information :**

- This product contains metallic components that may increase electricity hazard.
- This must be regularly inspected for cracked parts and replaced as needed. Life for foam cushion is approx 6 months.

**Usage Instructions :**

- Insert Udyogi Ear Muff jack into the ULTRA helmet's adapter slots until they snap into place with a click sound
- Bring the Ear Muff cups down to ear position by turning it into circular motion
- Make sure the Ear Muff cups and the cup holding bands are not in contact with the outer lining or the edge of the hard hat when in the 'usage' position, otherwise it may leak
- Push the Ear Muff jack for dismantling

**Storage :**

- Stored and transported in their original cartons at ambient temperature (0°C to + 30°C)
- May be stored in the dark for up to 1 year
- Do not store in direct / high heat or sunlight as this may distort the shell

