



ANTI-GAS COMMUNICATION MASK

P/N: MGM-1800

Brief Introduction:

The Metadure MGM-1800 Anti-gas communication system is the ideal choice for person-to-person and remote radio communications. The MGM-1800 features a face piece mounted transceiver that can be used alone or in combination with a radio cable interface attached to a two-way radio, making it ideal for a variety of response situations including firefighting, disaster response, maintenance operations and manufacturing settings. The MGM-1800 system provides real-time communications with a push-to-talk feature while also being able to interface with a user's existing radio, making it a perfect, simple to operate communication solution.

Anti-Gas Communication Mask Features

- Anti-gas Mask
- Wireless person-to-person communications
- Optional portable radio communications
- Easily toggle from wireless to portable radio modes
- Push-to-talk design for suppression
- Easy to install, Easy to connect
- Optional hands-free VOX for HAZMAT scenarios
- Mounts easily to all existing full face masks
- Friendly gloved hand operation
- Water resistant
- Heat resistant
- Compatible with virtually all radios
- Runs off AAA batteries
- 15 Hour battery life

Additional Mask Features

- A. This full face mask can effectively resist harmful, toxic gas and steam, toxic particles or mixture and radioactive particle, bacterium, virus;
- B. Unique spherical design, anti-fog lens, the vision rate reaches above 87%, works well under any severe environment.
- C. Made from natural silicone, soft and comfortable, hypoallergenic, extended aging time.
- D. The outside surface of the lens is processed with most advanced hardening technique in the world, the service life can be used for many times that of common protective masks.
- E. Good impact resistance.
- F. Single Canister use with EN148 connector.
- G. Cone shaped design for optimal vision rate.

Technical Data

1. Anti-Cyanogen chloride time: ≥ 30 minutes at 30L/min, 1.5mg/L and 80%-80%RH
2. Oil mist penetration coefficient: $\leq 0.005\%$ at 30L/min.
3. Inhalation resistance: ≤ 196 pa at 30L/min.
4. Exhalation resistance: ≤ 98 pa
5. Visual field: total $>87\%$, binocular visual field $>86\%$
6. Weight: 950g
7. Working Temperature: -20°C to $+60^{\circ}\text{C}$
8. Storage Temperature Range: -40°C to $+70^{\circ}\text{C}$
9. Protection Grade: IP66 – IP67
10. Microphone conversation delay: 0.55s
11. Push-to-talk switch life: Approximately 1000000 times
12. Using Time: Dependent on filters used
13. Material: Medical grade, hypoallergenic silicon gel
14. Storage life: 5 years
15. Color: Black/Gray

Technical Data of Directional Sound Amplifier

1. Standard Power: 1 w
2. Maximum Output Power: 2 w
3. Frequency Response: 300 Hz – 3400 Hz
4. Battery Voltage: DC3V
5. Battery Type: No. 7 battery
6. Amplifying Work Current: 100-500m
7. Standby Current: less than 10 mA
8. Speaker impedance: 8 Ω
9. Speaker Sensitivity: 94 + 3 dB
10. Pick up: Capacitor
11. Frequency Response: 200 – 20000 Hz
12. Output Impedance: 1k
13. Output Sensitivity: 98 + 2 dB

Components Introduction:

Adjustable headband →

Polycarbonate visor →

Silicone mask →

Communication System →

