

BT / TECMEN PAPR FREFLOW IMUX TM16



KEY FACTS

- ◆ Eye/face/respiratory protection
- ◆ Large viewing area: 97 x 62mm
- ◆ 1 / 1 / 1 / 1 highest optical class
- ◆ Dual shade range 5-8 / 9-13
- ◆ Quad sensors
- ◆ External grind mode switch
- ◆ Intelligent air supply
- ◆ Class leading P3 filter
- ◆ Rechargeable Li-ion battery

DESCRIPTION

BT / Tecmen PAPR Freflow iMux TM16 is an exceptional quality welding helmet and powered air purifying respirator system combination, working together to protect the welder from arc radiation, spatter, dust, pollutants, fine particles as well as other contaminants.

The high resolution lens technology gives a high-definition visual experience, increases eyes comfort and reduces fatigue. Ideal for use in the industrial field where welders spend extended periods of time welding.

The Tecmen Freflow filtration unit prevents siphoning in toxic particles, soot and other contaminants for a safe and refreshing breathing experience. The multi-layer particle box filtration system provides efficiency of up to 99.97%.

The Freflow system senses and automatically adjusts power and air-flow depending on the degree of blockage of the filter box. The intelligent control, provides a stable and clean air flow supply, keeping the users comfortable at all times.

CLASSIFICATIONS / APPROVALS

Helmet: DINplus, CE, ANSI Z87.1, CSA Z94.3, AS/NZS 1338.1

Respirator: EN12941, AS/NS1716: 2012 - Freflow V1,
Particle filter with class P3 inside

APPLICATIONS

Respirators can be used in many different industrial fields such as polishing, welding and metalworking.

- ◆ MIG, TIG & Stick welding
- ◆ Plasma Cutting
- ◆ Grinding

STANDARD INCLUSIONS

1. Auto Darkening Welding Helmet
2. Blower unit (with waist strap and battery)
3. Spare outside cover lens x 5
4. Spare inside cover lens x 2
5. Hose with cover
6. Battery Charger
7. Shoulder Strap
8. Airflow Indicator
9. Carry Bag

HELMET SPECIFICATIONS

ADF Model	ADF815SG iMux
Optical Class	1 / 1 / 1 / 1
Viewing Area	97 x 62 mm
Arc Sensor	4
Light State	DIN 3.5
Dark State	Variable Shade 5 ~ 8 / 9 ~ 13
Shade Control	Internal, Variable Shade
Power On / Off	Automatic On / Off
Sensitivity Control	Low - High, by infinity dial knob
UV / IR Protection	Up to Shade DIN 16 at all times
Power Supply	Solar cell, Battery replaceable 2 x CR2450 lithium battery
Battery Duration	4000 hours
Switching Time	1/25,000 s. from light to dark
Dark to Light	0.1 ~ 1.0 s, by infinity dial knob
Low Amperage TIG Rated	≥ 2 amps (AC/DC)
Grinding	Yes
Helmet Material	High Impact Resistance Nylon
Warranty	2 Year (Lens & Blower Unit) 1 Year (Blower Unit Battery)

RESPIRATOR SPECIFICATIONS

Airflow Rate	Manufacturer's minimum design flow rate: 165+lpm (5.8+cfm) Low speed: 170+lpm (6+cfm) High speed: 210+lpm (7.4+cfm)
Fast-charging Battery	Rechargeable Li-ion Battery Duration: 9 h low speed, 5-6 h high speed Charge Time: 1 hour
Filter	> 99.97% efficiency
Relative Humidity	Operating R.H.: < 90%, Storage R.H.: < 85%
Weight	1020g (Blower unit + battery)

PACKAGING & ORDERING INFORMATION

Description	Part Number
BT / Tecmen PAPR Freflow iMux TM16	703200