

WELLER PRISMA MICROSCOPE ESD KIT

ORDER NO: T0051406599

- Crystal-Clear 3D Stereo Viewing with Eyepiece-less design
- High-intensity, natural 7000K LED lighting
- ESD safe
- Adjustable universal arm and viewing position.
- Lens system with interchangeable lenses: 4×, 6×, and 8× magnifications.
- Large viewing area for inspection.
- Standalone unit which fully intigrates into any workbench
- Spare parts available.

See what matters.

Achieve unparalleled precision in every detail. The Weller PRISMA Microscope ESD delivers full 3D visualization for nano-soldering, rework, and electronics inspection - revealing every joint, trace, and component with clarity. ESD-safe and ergonomically designed, it protects sensitive electronics while reducing strain, helping teams minimize defects and maintain the highest quality standards.

KEY FEATURES

> **Crystal-Clear 3D Stereo Viewing:**
Experience a natural 3D perspective that allows you to see the height, position, and shape of components with unmatched clarity. The eyepiece-less design reduces eye strain and supports sustained focus, making nano-soldering and detailed inspections easier and more accurate.

> **BRIGHT 7000K LED ILLUMINATION:**
Sharp, natural light ensures accurate work on tiny components.

> **ESD-Safe Protection:**
Protect sensitive electronics from electrostatic damage during every task

> **Ergonomic, Comfortable Design:**
The Weller Prisma's universal arm and adjustable viewing position allow for long, effortless sessions. Work comfortably with or without eyewear, maintaining focus and efficiency over extended periods in a natural posture.

> **Wide Field of View:**
Inspect efficiently with a large viewing area for complex PCBs.

> **Modular & Interchangeable Lens:**
Easily adapt lenses for any nano-soldering project.

> **Trusted Weller Ecosystem:**
The Prisma Microscope works perfectly alongside Weller soldering stations, irons, and accessories, giving professionals a fully coordinated, high-performance workspace for precision nano-soldering.

TECHNICAL DATA PRISMA MICROSCOPE ESD
Dimensions L x W x H in mm / inch 605 x 454 x 320 23,82 x 17,87 x 12,60
Weight in kg / lb 10,82 / 23,854
Input power 9V
Power consumption 5 W
Power supply 9V DC plug-in power supply
Operating temperature 10°C ... 35 °C (50 °F ... 95 °F)
Storage temperature 0°C ... 50 °C (32 °F ... 122 °F) * *or 3 months without adverse effects.
Subject to technical alterations and amendments.

ILLUMINATION DATA			
LUX intensity measured in the image plane with color correction filters.			
Source	**Brightness**	**Color temperature**	**Lifetime**
20 LEDs	9.400 lux	~7000 k	10,000 h
Subject to technical alterations and amendments.			

ADAPTOR POWER SUPPLY
Mains supply voltage 100 - 240V / 50/60 Hz. 0,5 A
Output power V / A 9V / 1,6 A
Power consumption 14,4 W
Safety class II
Protection type IP40
Subject to technical alterations and amendments.

OBJECTIVE LENSES		
Objective lenses	**Working distance in mm /inch**	**Field of view in mm /inch**
x4	96 / 3,780	27,5 / 1,083
x6	73 / 2,874	19,2 / 0,756
x8	58,5 / 2,303	14,3 / 0,536
Subject to technical alterations and amendments.		

SCOPE OF SUPPLY
1x Microscope head 1x Universal arm 1x 4x standard lens

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