

USS-1906 Ultrasonic Soldering System

Product Information

The USS-1906 is a high-performance ultrasonic soldering controller. The control electronics are designed to handle both, 12 W as well as 25 W ultrasonic power. The USS-1906 has an integrated data interface and therefore can be operated from different hosts like PC, robot system or manually.



Specifications:

Frequency range (depending of the soldering tool)	30 kHz to 70 kHz
Ultrasonic soldering tip power	4 - 25 W
Temperature range - soldering tip	150°C - 480°C
Heater soldering tool	Mains Input of power supply
Feature	Plug for hand tools and robot soldering heads 12 / 25 W
Power Supply	115 V - 240 V AC, 48 - 65 Hz
Design 1906-000	19" rack housing (3HE/42TE)
Design 1906-001	Desk station

The USS-1906 is available as 19" rack housing or as desk station. Scope of delivery is the base-unit (electronically ultrasonic solder controller) only. Robot heads and / or hand tools can be selected separately according to the individual application and requirements.


Robot Heads + Spring Loaded Support:

Housing made from Aluminum with cooling function for the vibration-unit by fan or compressed air for nonstop operation with full power.

<p>Robot Soldering Head 12 W For soldering tips of diameter 1.0 mm to 4.0 mm - with fan - with compressed air</p>	<p>9200-121 9200-126</p>	
<p>Robot Soldering Head 25 W For soldering tips of diameter 6.0 mm to 10.0 mm - with fan - with compressed air</p>	<p>9500-121 9500-126</p>	
<p>Spring Loaded Support with Z-guidance, suitable for both, 92-01-02 (small) and 95-01-02 (big) robot soldering heads. For the mounting into an automatic Z-axis</p>	<p>1906-410</p>	

Hand Tools and Soldering Tips:

Different applications do require different handling and different soldering tips. The available soldering tips are interchangeable with an easy-to-handle screw-mechanism.

<p>Standard Hand Tool 12 W plastics moulding with soldering tip at your choice (1.0 - 4.0 mm), without cable</p>	<p>9200-201</p>	
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Light Version Hand Tool 12 W
plastics moulding with soldering tip at
your choice (1.0 - 4.0 mm) incl. 1.5 m
cable

9200-103



Tip 1.0 mm

9200-201

Tip 2.0 mm

9200-202

Tip 3.0 mm

9200-203



Tip 4.0 mm

9200-204

Special tip / customised

9200-2xxS

Standard Hand Tool 25 W
plastics moulding with soldering tip at
your choice (6.0 -10.0 mm), without
cable

9500-101



Tip 6.0 mm

9500-206

Tip 8.0 mm

9500-208

Tip 10.0 mm

9500-210

Special tip / customised

9500-2xxS