



MSA 4.0
Electrofusion Unit with full traceability, GPS and Bluetooth functions

High-performance, lightweight electrofusion unit based on advanced inverter technology. The machine provides complete welding documentation in accordance with ISO 12176, including operator badge identification, job codes, full traceability data, and automatically recorded GPS coordinates for each fusion.

Designed to simplify daily operations, the unit features a long-range barcode scanner, an efficient cooling system that enables consecutive jointing, an intuitive icon-based user interface, and a configurable workflow adaptable to both basic and highly detailed operational requirements. The entire welding process is continuously monitored and regulated, with automatic energy output compensation according to ambient temperature and clear indication of cooling times. An integrated Bluetooth module enables data entry, remote monitoring of the fusion process, and wireless collection of stored records via smartphone, with the possibility of seamless data transfer to the office.

A connected 1D barcode scanner, or 2D scanner when unitary QR codes are available. supports operator identification, job assignment, and fusion data input.

The internal memory can store up to 5000 jointing records, which can be exported via a USB stick. Fusion protocols are generated as PDF files. For advanced data management, BIN files are also available, allowing sorting, filtering, and combination of protocols and photos from multiple MSA units using the GF application.

The robust aluminum die-cast enclosure and ergonomic plastic handle ensure durability and balanced handling.

A programmable rental period can be set by the owner, with automatic unit lock upon expiry. Re-activation is possible via a dynamic reset code.

Scope of delivery: transport case, angle adapters (4.0 mm and 4.7 mm), operating instructions, START/STOP badge, configuration chart, and USB flash drive with PC software.

Technical Data:

- Mains frequency: 50-60 Hz
- Fusion data input mode: bar code, manual
- Mains voltage: 230V (190V - 265V)
- Suggested power generators: 3.5 kVA
- Welding technique: Voltage controlled
- Fusion voltage: 8-48 V
- Fusion current: 110 A (max)
- USB Port: Type A
- Operating temperature: -20°C to +50°C
- Internal memory capacity: 5000 protocols
- Protocols format: PDF and BIN (compatible with GFs application)
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m
- Fusion cable: 4 m
- Dimensions: 280 x 480 x 220 mm
- Weight: ca. 12.8 kg
- Display: Graphical LCD, adjustable contrast
- Languages support: 27
- Bluetooth radio interface

Description	Code	Weight (kg)
MSA 4.0 with 2D barcode scanner (QR code reading)	790 156 012	19.500