

MSA 160

Handy electro fusion equipment



About the product

The MSA 160 is an universal voltage controlled electrofusion unit designed for building technology and connections to gas / water distribution network, up to d160 mm. The on-board electronics take care of the fusion process in an accurate manner to ensure the best quality of the jointing.

The MSA 160 is available

in 2 versions: automatic mode, when equipped with a robust barcode scanner, or basic manual mode, if the installer prefers to enter the fusion data manually.

All relevant welding information

are captured by the unit in both cases (automatic and manual) and saved permanently in the internal memory.

Recorded data

can be transferred via USB memory stick to the main contractor or a server, to keep track of the job done.

Cables, plugs and housing

are suitable for trench application. The internal aluminium box protects the high performance electrical components and provides excellent heat dissipation, allowing fusions in series.

Safety is ensured

by the ON/OFF electrical switch, the internal fuses and the IP54 protection rate of the case, against water and dust.



MSA 160 - Three ways to be easy

MSA 160 technical specifications

Fittings dimension range	16-160 mm
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Operating conditions

Working temperature range	-10°C +45°C
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Electrical data

	205 - 255 V
Input voltage range / frequency range	50/60 Hz
Current consumption (max)	12 A
Output voltage	8 - 42 V
Output current (max)	50 A
Input power	2.7 kW
Protection factor	IP54 / class 1

Fusion data input

Barcode scanner	Optional
Manual fusion input	✓

Interface and data

Display	Graphical LCD
Acoustic alert	✓
Electrical ON/OFF Switch	✓
Fusion protocols	500
Communication port	USB
Data format fusion protocol	PDF, CSV

Mechanical data

Dimensions	480 x 380 x 180 mm
Weight	13 kg
Mains cable length	4 m
Fusion cable length	3 m
Mains plug	Schuko 16A
Connectors	4 mm straight
Angle adapters 4.0 mm	✓
Angle adapters 4.7 mm	Optional

Norms compliance

EMC (EN61000)	✓
Safety (EN60335)	✓
ISO 13950	✓
ISO 12176-2	✓

Order codes

Manual mode	790 160 065
Manual mode and barcode scanner	790 160 066

Your contact

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+ Easy to use

MSA 160 is made for installers who want to be fast during their daily work. With one-button (START) the user is guided from preparation to the finalization of the fusion process. The graphical LCD information is adapting to the operator language and the usage of a barcode scanner, autonomously detected by the unit, makes the data input automatic. The recorded data is delivered in PDF and text format; both are manageable with customary and free (no license) PC software application, to keep all simple.



+ Easy to pack

MSA 160 is fast to be put into service and repack. The power cord and the fusion cable are stored securely and tidily in separate slots of the protective case. The barcode scanner and possible accessories are also housed in the case lid, as soon as the job is completed.

+ Easy to carry

MSA 160 is balanced in weight to ensure ergonomic handling at the job site and comfortable transportation by hands and in the car, thanks to its compact and superior protective case.



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