

AUTOMATIC ELECTROFUSION UNIT



General Data

Time, date, report number, ambient temperature, welder name, job number max. 40 digits (alphanumeric)

Fusion Data

Voltage, current, energy, normal and actual welding time, mode, resistance, error messages, with 10 voltage and current values

Fitting Data

Barcode information (ISO/TR 13950), Type, Dimension, Manufacturer

Device Data

Serial number, inventory number, date of last service, working hours, system configuration

Worker Code

Barcode (PF or ISO 12176-3) for operator identification and access to manual input and system configuration

Job Number

Job number max. 40 digits (alphanumeric), input by barcode or manual

Input

Voltage, current, frequency

Output

Voltage, current, resistance, contact, short circuit

Other

System, working temperature, service

Error Messages

Plain text, acoustic signal

Material

Steel plate

Display

4x20 characters (alphanum), background lighting

Packaging Material

Wood

Packaging Type

Box

	TINY-M 315	TINY-M
Article no	116 000 8220 0001	116 000 8220 0002
Range of fitting dimensions	20-315	20-1000
Generator power for field applications	5kW	7,5kW
Data recording	1000	1000
Power (60 % On time) According to ISO 12176-2	2050 W (55.9 A)	2050 W (55.9 A)
Operating temperature range	-10C° / +50C°	-10C° / +50C°
International protection	IP54	IP54
Conformity	CE	CE
ISO 12176-2 Class-classification	P2 3 U S1 V AK D X	P2 3 U S1 V AK D X
Nominal voltage (tolerance)	230V AC (190V - 300V)	230V AC (190V - 300V)
Nominal frequency (tolerance)	50/60 (40 - 70) (Hz)	50/60 (40 - 70) (Hz)
Power factor cos p	0.6 to 0.9 (phase-angle control)	0.6 to 0.9 (phase-angle control)
Nominal current	16 A	16 A
Power consumption	3200 VA	3200 VA
Length of cord	4.5 m	4.5 m
Plug type	Euro	Euro
Output voltage	8 V - 48 V AC	8 V - 48 V AC
Output current (max.)	110 A	110 A
Output current (t > ∞)	30 A	30 A
Output current (min.)	2 A	2 A
Energy adjustment	Temperature compensation	Temperature compensation
Welding cable length	4 m	4 m
Welding cable mounting	Fixed	Fixed
Welding terminals	4.0 mm / 4.7 mm	4.0 mm / 4.7 mm
Product dimensions (L×W×H)	325 × 275 × 290 (mm)	325 × 275 × 290 (mm)
Product weight (incl. welding cable)	15,5kg	16,5 kg
Packaging dimensions (L×W×H)	390 × 320 × 340 (mm)	390 × 320 × 340 (mm)
Packaging weight	5.5 kg	5,5 kg
Transport weight	21 kg	22 kg



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General Data

Time, date, report number, ambient temperature, welder name, job number max. 40 digits (alphanumeric)

Fusion Data

Voltage, current, energy, nominal and actual welding time, mode, resistance, error messages with IO voltage and current values

Fitting Data

Barcode Information (ISO/TR 13950), Type, Dimension, Manufacturer

Device Data

Serial number, inventory number, date of last service, working hours, system configuration

Worker Code

Barcode (PF or ISO 12176-3) for operator identification and access to manual input and system configuration

Job Number

Job number max. 40 digits (alphanumeric), input by barcode or manual

Input

Voltage, current, frequency

Output

Voltage, current, resistance, contact, short circuit

Other

System, working temperature, service

Error Messages

Plain text, acoustic signal

Material

Steel plate

Display

4x20 characters (alphanum), background lighting

Packaging Material

Plastic

POLYCODE

Article no	116 000 8220 0003
Range of fitting dimensions	20-180
Generator power for field applications	2,5 kW
Data recording	1000
Power (60 % ON time) according to ISO 12176-2	1030 W (25.6 A)
Operating temperature range	-10C° / +50C°
International protection	IP54
Conformity	CE
ISO 12176-2 Class - classification	P2 2 U S3 V AK D XP2 2 U S3 V AK D X
Nominal voltage (tolerance)	230V AC (190V - 300V)
Nominal frequency (tolerance)	50/60 (40 - 70) (Hz)
Power factor cos	0.6 to 0.9 (phase-angle control)
Nominal current	16 A
Power consumption	1200 VA
Length of cord	5 m
Plug type	Euro
Output voltage	8 V - 48 V AC
Output current (max.)	54 A
Output current (t > ∞)	14 A
Output current (min.)	2
Energy adjustment	Temperature compensation
Welding cable length	4 m
Welding cable mounting	Fixed
Welding terminals	4.0 mm / 4.7 mm (Universal)
Product weight (incl. welding cable)	11
Packaging dimensions (L×W×H)	466 × 176 × 366 (mm)