


Microplasma 105-2

090-007032-00502



- Standard gas metering unit for plasma gas and shielding gas:
- Plasma gas setting range 0.1 l/min to 0.9 l/min
- Shielding gas setting range 1.0 l/min to 17 l/min
- Microplasma welding machine with standard gas metering unit
- **Welding procedures and functions**
- Plasma and TIG welding
- Plasma and pulsed TIG welding
- Plasma and pulsed TIG welding up to the kHz range allow a high welding speed with minimal heat input using a constricted arc
- Plasma and TIG welding current adjustable in 0.1 A increments
- Pilot arc current separately adjustable for start phase, welding phase, end-crater and welding break
- Temperature, flow and pressure monitoring for the coolant circuit
- Non-latched/latched operation
- Spot welding/tack function (spotArc/spotmatic)
- Adjustable up-slope and down-slope time
- Spotmatic – reduce the time required for tacking by up to 50% (TIG only)
- Adjustable gas pre- and post-flow time
- **Your benefits**
- No need to purchase additional characteristics – all characteristics for this machine type are included in the scope of delivery ex works
- Non-interchangeable connections for all mediums
- Welding torch connection using quick connect coupling
- Connection capability for remote control
- Two system bus connections (e.g. for ewm Xnet)
- All control elements and connections for welding torches, remote controls and workpiece leads are directly accessible on the front of the machine
- Microplasma and Cool 50 MPW50, mobile with Trolley 55-6
- No additional mains connection required for cooling unit. Power supply to the Cool 50 MPW50 via the Microplasma
- Alternatively, at high currents, duty cycles and ambient temperatures, a separate recooling unit can be used (the recooling unit does not fit under the Microplasma or on the Trolley 55-6)
- Optional network connectivity with ewm Xnet software via LAN or WiFi gateway
- 3.5 m mains supply lead with 16 A shock-proof plug
- Always read the information in the operating instructions of the relevant welding torch and welding machine before carrying out any welding.

Version	Microplasma 105-2
Setting range for welding current	0.3 A - 100 A
Duty cycle 40 °C	100 A / 60 % 70 A / 100 %
Open circuit voltage	95 V
Mains voltage	-40 %
Mains frequency	50 Hz / 60 Hz
Mains voltage	1 x 230 V
Tolerances	-40 % up to +15 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	7.8 kVA
Cooling capacity at 1 l/min.	0 W
Protection classification	IP23

Safety marking	
EMC class	A
Dimensions (L x B x H)	625 mm x 377 mm x 531 mm
	24.6 inch x 14.8 inch x 20.9 inch
Standards	IEC 60974-1, -3 and -10 CL.A