

# DATA SHEET

## Picomig 180 Synergic TKG

090-005546-00502



- Multiprocess inverter welding machine with simple one-knob operation and integrated wire feeder

- **Welding procedures and functions**

- GMAW standard welding
- Characteristics for steel, CrNi, CuSi, aluminium and flux cored wires
- MMA welding and TIG lift arc welding
- Perfect for welding self-shielding flux cored wires
- Infinitely adjustable arc dynamics (choke effect)
- Non-latched/latched operation
- Interval welding
- Adjustable gas pre- and post-flow time

- **Your benefits**

- Portable, compact



No need to purchase additional characteristics – all characteristics for this machine type are included in the scope of delivery ex works

- Robust casing suitable for construction site use
- High open circuit voltage for excellent ignition characteristics
- 4-roll drive
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- Insulated wire space
- 3.5 m mains supply lead with 16 A shock-proof plug
- Free WPQR package for certification up to and including EXC2 in accordance with EN 1090 and for welding of unalloyed steels up to and including S355
- **Overvoltage protection: No damage to machine caused if inadvertently connected to 400-V mains voltage**

Version	Picomig 180 Synergic
Setting range for welding current	5 A - 180 A
Duty cycle 40 °C	180 A / 25 %
	120 A / 60 %
	100 A / 100 %
Open circuit voltage	80 V
Mains voltage	1 x 230 V
Tolerances	-40 % up to +15 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	8 kVA
Wire feed speed	1 m/min - 15 m/min
	39.37 ipm - 590.55 ipm
Factory-installed roll equipment	0.8 + 1.0 mm / Steel
Spool diameter	D200
Torch connection	Euro torch connector
Protection classification	IP23
Test mark	   
EMC class	A
Dimensions (L x B x H)	559 mm x 276 mm x 340 mm
	22 inch x 10.9 inch x 13.4 inch
Weight	16 kg
	35.3 lbs
Standards	IEC 60974-1, -5 and -10 CL.A