



- Multiprocess inverter welding machine with easy Synergic one-knob operation and integrated wire feed mechanism
- **Welding procedures and functions**
- GMAW standard welding
- EWM forceArc characteristics for unalloyed steel
- EWM rootArc characteristics for unalloyed steel
- Synergic characteristics for steel, CrNi, 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)
- Synergic or manual welding operation
- Non-latched/latched operation
- Interval welding
- 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
- Portable or can be carried on a trolley
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- High open circuit voltage for excellent ignition characteristics
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- Delivery includes practical torch holder
- 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 185 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	-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	8 kVA
Wire feed speed	0.5 m/min - 25 m/min
	19.68 ipm - 944.88 ipm
Factory-installed roll equipment	0.8 – 0.9 – 1.0 mm UNI / Steel
Spool diameter	D200/D300
Torch connection	Euro torch connector
Protection classification	IP23
Safety marking	

EMC class	A
Dimensions (L x B x H)	636 mm x 298 mm x 482 mm 25.039 inch x 11.732 inch x 18.976 inch
Standards	IEC 60974-1, -5 and -10 CL.A