

# DATA SHEET

## Picomig 180 puls TKG Set

091-005545-00502



- Multiprocess inverter welding machine and pulse set
- Easy Synergic one-knob operation and integrated wire feeder
- **Set comprising:**
- Picomig 180 puls, MT221G welding torch, flux cored wire spool (FCW 71T Selfshield 2 kg, 0.9 mm dia.), steel wire spool (SW 70S G3 2 kg, 0.8 mm dia.), workpiece lead, gas hose, pressure regulator and flux cored nozzle
- **Welding procedures and functions**
- GMAW pulsed welding and GMAW standard welding
- Significantly less spatter formation and therefore less finishing work, all thanks to the pulse function
- GMAW pulse welding of aluminium and aluminium alloys
- 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
- **all in** 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 puls
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 tolerances (ex works)	-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	CE UK EAC S
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