


090-005639-00502



• **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
- EWM forceArc/forceArc puls characteristics for unalloyed steel
- EWM rootArc/rootArc puls characteristics for unalloyed steel
- 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
- ewm Xnet also available via Xnet LAN/Wi-Fi gateway

• **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
- Choice of gas- or water-cooled operation
- No additional mains connection required for cooling unit. Module power supply via welding machine
- Connection capability for remote control
- 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
- Insulated wire space
- Delivery includes practical torch holder
- 5 m mains supply lead
- 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

DATA SHEET

Picomig 305 puls TKM

Version	Picomig 305 puls TKM
Setting range for welding current	5 A - 300 A
Duty cycle 40 °C	300 A / 35 % 240 A / 60 % 190 A / 100 %
Open circuit voltage	80 V
Mains voltage	3 x 400 V
Tolerances	-25 % up to +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	16.3 kVA
Wire feed speed	0.5 m/min - 25 m/min 19.685 ipm - 984.253 ipm
Factory-installed roll equipment	1,0-1,2 mm UNI / Steel
Spool diameter	D200/D300
Torch connection	Euro torch connector
Protection classification	IP23
Test mark	
EMC class	A
Dimensions (L x B x H)	636 mm x 298 mm x 482 mm 25 inch x 11.7 inch x 19 inch
Weight	29.5 kg 65 lbs
Standards	IEC 60974-1, -5 and -10 CL.A