



DATA SHEET

Picomig 355 Synergic TKM


090-005700-00502



- Multiprocess MIG/MAG welding machine, compact, portable, Euro torch connector
- **Welding procedures and functions**
 - To find out more about our high-tech MIG/MAG arcs, please click on XQ-Process 
 - GMAW standard welding
 - EWM forceArc characteristics for unalloyed steel
 - EWM rootArc 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
- **“Crater fill” end-crater filling function can be selected directly using a push-button on the control:**
 - At the end of the welding process, the set welding current is automatically lowered so that potential end-craters in the weld seam can be filled. Lowering the welding current also prevents penetration and cracks in the weld seam and material
- **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
 - Comprehensive job list
 - 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

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|-----------------------------------|--|
| Version | Picomig 355 Synergic |
| Setting range for welding current | 5 A - 350 A |
| Duty cycle 40 °C | 350 A / 40 % 300 A / 60 % 270 A / 100 % |
| Open circuit voltage | 79 V |
| Mains voltage (ex works) | 3 x 400 V |
| Mains tolerances (ex works) | -25 % up to +20 % |
| Mains frequency | 50 Hz / 60 Hz |
| Recommended generator power | 18.8 kVA |
| Efficiency | 88 % |
| Power consumption Pi | 30 W |
| 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 | 34.4 kg / 75.9 lbs |
| Standards | IEC 60974-1, -5 and -10 CL.A |