

water-cooled mobile TIG inverter for welding with direct-/alternating current

- stepless adjustable welding current von 4 - 300 A
- digital display for current, LED signalling for mains, current I, current II, malfunction and S-funtion-test
- automatic cut-off at non-ignition of arc after 5 sec in 2-cycle and 4-cycle mode
- automatic attenuation of welding current at the start
- TIG ignition: HF or lift-arc
- control functions:
current II selectable with double trigger at the torch, 2/4-cycle, downslope, post-weld gas-flow time, automatic pre-purge gas flow, stick welding: hot-start, anti-stick, arc-force
- built-in water-cooling
- thermal overload protection
- switch and control systems in dust-proof room
- remote control socket for foot- and handoperated remote control
- sign S

supplementary to AC/DC version

- alternating current frequency infinitely variable
- adjustable balance for welding with alternating current (+/-half-wave)

option:

- pulsed welding current, built-in or remote
- TIP-automatic for single-knob torches;
for changing between current I and II
- central connection for welding torch
- higher duty cycle due to inforced fan



WIG 301 iw DC
WIG 301 iw AC/DC

MADE IN GERMANY

technical data		WIG 301 iw
supply voltage, 50 / 60 Hz		400 V, 3 phase
fuse		20 A slow
max. power draw		15 kVA
cos phi		0,9
setting range (stufenl.)	TIG	4 - 300 A
	electrode	10 - 240 A
open circuit voltage		91 V
duty cycle 25(40)°C	50(40)% TIG	300 A / 22 V
	electrode	240 A / 29,6 V
duty cycle 25(40)°C	100(80)% TIG	220 A / 18,8 V
	electrode	180 A / 27,2 V
system of protection		IP 22
insulation class		F (155°C)
system of cooling		F
weight		65 kg
dimensions L x W x H (mm)		1050 x 500 x 810

article number	
dc-version	831.301.008
ac/dc-version	831.301.006