

gascooled portable TIG inverter for welding with direct-/ alternating current

- supply voltage WIG 201: 230 V
supply voltage WIG 301: 400 V
- lightweight and compact
- WIG 201i: optimized current consumption of the inverters thanks to state-of-the-art PFC technology
- stepless adjustable welding current
WIG 201i: 3 - 200 A; WIG 301i: 4 - 300 A
- digital display for current, LED signalling for mains, current I, current II, malfunction and S-function-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

- robust tubular frame for transport and protection of the machine
- thermal controlled fan
- thermal overload protection
- switch and control systems inside dust-proof room
- remote control socket for foot- and hand-operated 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
- central connection for welding torch

WIG 201 i
WIG 301 i



MADE IN GERMANY

technical data	WIG 201 i DC	WIG 201 i AC/DC	WIG 301 i DC	WIG 301 i AC/DC
supply voltage, 50 Hz	230 V, 1 phase	230 V, 1 phase	400 V, 3 phase	400 V, 3 phase
fuse	16 A slow	16 A slow	20 A slow	20 A slow
max. power draw	5,5 kVA	6 kVA	14 kVA	14 kVA
cos phi	0,99	0,99	0,9	0,9
setting range stepless	TIG 3-200 A	TIG 3-200 A	TIG 4-300 A	TIG 4-300 A
electrode	10-160 A	10-160 A	15-240 A	15-240 A
open circuit voltage	91 V	91 V	91 V	91 V
duty cycle (20°C) 35 %	TIG 200 A / 18 V	TIG 200 A / 18 V	TIG 300 A / 22 V	TIG 300 A / 22 V
electrode	160 A / 26,4 V	160 A / 26,4 V	240 A / 29,6 V	240 A / 29,6 V
duty cycle (20°C) 60 %	TIG 180 A / 17,2 V	TIG 170 A / 16,8 V	TIG 260 A / 20,4 V	TIG 260 A / 20,4 V
electrode	150 A / 26 V	140 A / 25,6 V	180 A / 27,2 V	180 A / 27,2 V
duty cycle (20°C) 100 %	TIG 150 A / 16 V	TIG 130 A / 15,2 V	TIG 220 A / 18,8 V	TIG 220 A / 18,8 V
electrode	140 A / 25,6 V	120 A / 24,8 V	180 A / 27,2 V	180 A / 27,2 V
system of protection	IP 23	IP 23	IP 23	IP 23
insulation class	F (150°C)	F (150°C)	F (150°C)	F (150°C)
system of cooling	F	F	F	F
weight	23,5 kg	24,5 kg	28,5 kg	30 kg
dimensions l x w x h (mm)	600 x 255 x 440	600 x 255 x 440	600 x 255 x 440	600 x 255 x 440

article number	WIG 201 i DC	WIG 201 i AC/DC	WIG 301 i DC	WIG 301 i AC/DC
gas-cooled	831.201.002	831.201.001	831.301.007	831.301.005