

170/210

# Artis

So that you can fully concentrate on your TIG weld, we support you with suitable technology. Our compact Artis 170/210 product family offers a wide range of functions and helps you to unleash your full welding potential.

## Efficient TIG welding

- 40% duty cycle at maximum output power
- 30% mains voltage tolerance at maximum output power
- 96 V – 265 V mains voltage supply



## The TIG welding functions

- TIG pulse function (welding even with thin sheets)
- TAC function (time savings of up to 50% when tacking materials)
- Spot and stitch welding (recurring welded joints)
- Touch HF (automatic shutdown)
- Gas pre-flow time/gas post-flow (automatic and manual)
- PTD – Pulse / TAC display (function curve)
- Touch HF (high frequency ignition)
- TIG welding torch with different UIs

## The electrode welding functions

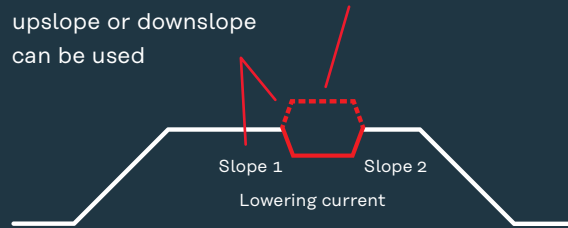
- Electrode pulse welding
- HotStart function
- Anti-stick
- Cellulose electrodes
- Arc-force dynamic



## Lowering current I2

Depending on the lowering current set, an upslope or downslope can be used

Lowering current up to 200% of the main current



The lowering current is only used for TIG 4-step welding. It allows the welder to reduce or increase the main current as desired during the welding process.

# Technical Data

	Artis 170/EF Artis 170/NP	Artis 170/XT/B Artis 170/XT/NP	
Mains voltage U1	1 x 230 V	1 x 120 V	1 x 230 V
Mains voltage tolerance	-30 %/+15 %	-20 %/+15 %	-30 %/+15 %
Grid frequency	50/60 Hz		
Mains fuse protection (slow-blow)	16 A	20 A	16 A
Maximum primary power (100% DC)	2,7 kVA (140 A TIG)	1,75 kVA (100 A TIG)	2,7 kVA (140 A TIG)
Cos phi	0,99		
TIG welding current	10 min/40 °C (104 °F), U1 = 230 V		
40 % DC	170 A	140 A	170 A
60 % DC	155 A	120 A	155 A
100 % DC	140 A	100 A	140 A
Electrode welding current	10 min/40 °C (104 °F), U1 = 230 V		
40 % DC	150 A	100 A	150 A
60 % DC	120 A	90 A	120 A
100 % DC	110 A	80 A	110 A
TIG open circuit voltage (pulse)	35 V		
Electrode open circuit voltage (pulse)	97 V		
TIG output voltage range	10,4 – 16,8 V		
Electrode output voltage range	20,4 – 26,0 V		
Degree of protection	IP 23		
Dimensions l x w x h	435 x 160 x 310 mm		
Weight	9,8 kg (21.6 lb)	9,9 kg (21.8 lb)	
Mark of conformity	CE	CE/CSA	
Safety symbols	S		

	Artis 210/EF Artis 210/NP	Artis 210/XT/B Artis 210/XT/NP	
Mains voltage U1	1 x 230 V	1 x 120 V	1 x 230 V
Mains voltage tolerance	-30 %/+15 %	-20 %/+15 %	-30 %/+15 %
Grid frequency	50/60 Hz		
Mains fuse protection (slow-blow)	16 A	20 A	16 A
Maximum primary power (100% D.C.)	3,1 kVA (160 A TIG)	1,75 kVA (100 A TIG)	3,1 kVA (160 A TIG)
Cos phi	0,99		
TIG welding current	10 min/40 °C (104 °F), U1 = 230 V		
40 % DC	210 A	170 A	210 A
60 % DC	185 A	130 A	185 A
100 % DC	160 A	100 A	160 A
Electrode welding current	10 min/40 °C (104 °F), U1 = 230 V		
40 % DC	180 A	120 A	180 A
60 % DC	150 A	100 A	150 A
100 % DC	120 A	90 A	120 A
TIG open circuit voltage (pulse)	35 V		
Electrode open circuit voltage (pulse)	97 V		
TIG output voltage range	10,4 – 18,4 V		
Electrode output voltage range	20,4 – 27,2 V		
Degree of protection	IP 23		
Dimensions l x w x h	435 x 160 x 310 mm		
Weight	9,8 kg (21.6 lb)	9,9 kg (21.8 lb)	
Mark of conformity	CE	CE/CSA	
Safety symbols	S		

