

/ Perfect Welding / Solar Energy / Perfect Charging



# MAGICWAVE 190 MAGICWAVE 230i TRANSTIG 230i

The new approach to TIG welding

# HUNDREDS OF HOURS OF TIG WELDING EXPERIENCE. CONDENSED INTO A FEW SIMPLE OPERATIONS.

A clean TIG weld seam requires two things: a high degree of skill and countless hours of practical experience. We've packed all this experience into our new TIG series. With its intuitive menu navigation, users are able to access the correct parameters in just a few steps and can then concentrate fully on what they're best at. The functions can also be customised and extended, facilitating efficient manual welding.

From pipeline and container construction, through stainless steel applications to vehicle repair and maintenance – the new TIG devices can be used in many different ways.

What's your  
welding challenge?

Let's get connected.



# ADVANTAGES OF THE NEW TIG SERIES



## QUICKLY ACHIEVE A CLEAN TIG WELD SEAM THROUGH SIMPLE CONTROLS

- / Multilingual menu
- / Intuitive and self-explanatory menu navigation
- / A bright 4.3" colour display makes parameters easier to set and read
- / Operation of rotary and push button also possible when wearing welding gloves
- / Favourites button for quick access to the most important parameters

## EASY TO USE AND MODULAR DESIGN



- / Lightweight and easy to transport
- / CU 600 t water cooler with 20% more power than the earlier model available separately
- / Direct connection to cooling system in the power source
- / Multivoltage versions (MV) for worldwide deployment

## IMPROVED WELD PROPERTIES

- / High open circuit voltage and ample power reserves improve HF ignition behaviour
- / 2 kHz pulse welding as standard on all devices; the PulsPro function package can deliver a pulse frequency of up to 10 kHz
- / Saving and editing of up to 999 jobs using the Job function package

## COMMUNICATIONS CAPABILITY, PLUS ADDITIONAL FUNCTIONS CAN BE ADDED



- / The MagicWave230i and TransTig 230i communicate wirelessly with peripheral devices via Bluetooth, WLAN and NFC
- / Adaptable to customer requirements using optional function packages that provide the power source with additional, customised functionality

## MODULAR TORCH DESIGN THANKS TO MULTILOCK SYSTEM



- / Easily configured and individually customisable welding torch
- / One hosepack for various torch bodies
- / Gas-cooled torch body can be changed during operation without any tools
- / Rapid reconfiguring of the user interface in the grip possible

# COMPARING THE TIG SERIES

MagicWave 190	MagicWave 230i	TransTig 230i
AC/DC power source		DC power source
Gas-cooled only	Optional CU 600t water-cooling	
No connectivity (WLAN, Bluetooth, NFC)	Connectivity (WLAN, Bluetooth, NFC) included as standard*	
TIG 190 A	TIG 230 A	
MMA 170 A	MMA 190 A	

\* not available in all countries

## TECHNICAL DATA

	MagicWave 190 (MV)	MagicWave 230i (MV)	TransTig 230i (MV)
Mains voltage (U1)	1 x 120 (MV) / 230 V		
Mains voltage tolerance	± 15%		
Mains frequency	50/60 Hz		
Mains fuse protection (slow-blow)	16 A (U1 = 230 V) 20 A (U1 = 120 V) (MV)		
Cos phi	0.99		
Welding current range	3 - 190 A		
TIG	3 - 230 A		
Electrode	10 - 170 A		
Welding current at 10 min/40°C (104°F) 35% D.C.	190 A <sup>1)</sup> (U1 = 230 V) 150 A <sup>1)</sup> (U1 = 120 V) 170 A <sup>2)</sup> (U1 = 230 V) 100 A <sup>2)</sup> (U1 = 120 V)	230 A <sup>1)</sup> (U1 = 230 V) 170 A <sup>1)</sup> (U1 = 120 V) 190 A <sup>2)</sup> (U1 = 230 V) 120 A <sup>2)</sup> (U1 = 120 V)	190 A <sup>2)</sup> (U1 = 230 V) 120 A <sup>2)</sup> (U1 = 120 V) 230 A <sup>1)</sup> (U1 = 230 V) 170 A <sup>1)</sup> (U1 = 120 V)
10 min/40°C (104°F) 60% D.C.	160 A <sup>1)</sup> (U1 = 230 V) 120 A <sup>1)</sup> (U1 = 120 V) 140 A <sup>2)</sup> (U1 = 230 V) 80 A <sup>2)</sup> (U1 = 120 V)	195 A <sup>1)</sup> (U1 = 230 V) 140 A <sup>1)</sup> (U1 = 120 V) 150 A <sup>2)</sup> (U1 = 230 V) 105 A <sup>2)</sup> (U1 = 120 V)	205 A <sup>1)</sup> (U1 = 230 V) 155 A <sup>1)</sup> (U1 = 120 V) 155 A <sup>2)</sup> (U1 = 230 V) 105 A <sup>2)</sup> (U1 = 120 V)
10 min/40°C (104°F) 100% D.C.	140 A <sup>1)</sup> (U1 = 230 V) 100 A <sup>1)</sup> (U1 = 120 V) 120 A <sup>2)</sup> (U1 = 230 V) 70 A <sup>2)</sup> (U1 = 120 V)	165 A <sup>1)</sup> (U1 = 230 V) 120 A <sup>1)</sup> (U1 = 120 V) 120 A <sup>2)</sup> (U1 = 230 V) 85 A <sup>2)</sup> (U1 = 120 V)	170 A <sup>1)</sup> (U1 = 230 V) 130 A <sup>1)</sup> (U1 = 120 V) 125 A <sup>2)</sup> (U1 = 230 V) 85 A <sup>2)</sup> (U1 = 120 V)
Open circuit voltage	100 V	100 V	97 V
Working voltage	IP 23		
TIG	10.1 - 17.6 V	10.1 - 19.2 V	10.1 - 19.2 V
Electrode	20.4 - 26.8 V	20.4 - 27.6 V	20.4 - 27.6 V
Degree of protection	IP 23		
Dimensions L x W x H (with handle)	558 / 210 / 369 mm 22.0 / 8.3 / 14.5 in.		
Weight	16.5 kg 36.4 lb	15.9 kg 35.1 lb	
Marks of conformity	S, CE		

<sup>1)</sup> TIG welding, <sup>2)</sup> MMA welding

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### THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 3,800 employees worldwide and 1,242 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

v08 Aug 2017 EN

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M1.02.0000.EN Feb 2018 aw21