

Orbimax

TX Series Industrial TIG Welders



SMART + SIMPLE

Introducing the Orbimax TX Series of industrial-grade TIG Welders. Designed for the welder, by the welder.

Orbimax Industrial TIG Welders are Smart + Simple, designed with the future of welding in mind but with simplicity at the core.

German made and refined for the Australian welding industry.

TX Series At A Glance...

SMART + SIMPLE

ACHIEVE THE BEST WELDS, BE MORE EFFICIENT AND EXCEL WITH A WELDER DESIGNED BY WELDERS, FOR WELDERS.

The Orbimax TX Series TIG Welders are a single phase industrial-grade welder designed for professional welders and workshops where quality and precision are paramount.

Available in DC and AC/DC configuration, the TX Series of welders are lightweight, durable and simple to operate. At only 7.1KG, they are highly portable, ready to handle your every welding need.

Orbimax industrial-grade TX Series welders have a 230V (15 Amp) single phase input and are available in 180A or 230A, letting you focus solely on the welding tasks ahead.



GERMAN MADE QUALITY

MAXIMUM CONTROL AND QUALITY TO ACHIEVE THE PERFECT WELD.

With industry-leading features backed by quality German made components the Orbimax TX Series TIG Welders are Smart + Simple. Putting you in control while giving you the flexibility to perfect your weld.



AUTO SMART PROGRAMMING

STORE, LOAD AND SAVE

Smart programming within the TX Series lets you choose a preset or override settings unique to your welding task. With the click of a button you can save specific weld settings and load existing configurations.

INTUITIVE INTERFACE

SIMPLIFIED OPERATION

The Orbimax digital control panel allows for simplified operation while being supported by an industry-leading operating system, allowing for complete weld customisation. It also features an easy to use 'menu', 'home', and 'back' button, allowing easier navigation for the user.

- Clearly view weld settings
- Simple user experience
- Rapidly adjust settings

ROTARY DIAL

QUICK SELECT

Durable dial selection allows for quick program selection and adjustments to your welding presets.

- Suitable for gloved hands when working
- Rugged and dependable

INDUSTRY TOUGH RUGGED DESIGN

HARSH INDUSTRIAL ENVIRONMENT

When working in harsh environments the rugged design of the Orbimax TX Series will stand up to the harshest punishment, protecting electronics and letting you get on with the job.

GAS OR WATER COOLED

SMART + SIMPLE

Choose from gas or water cooled units for better weld results. A cooler running TIG torch provides greater comfort and longer torch and consumable life. Duty Cycle: 100% @ 140A (TX 182) and 100% @ 160A (TX 230)

*Pictured: Optional Water Cooled Unit.

TX Series Overview

From simple welding tasks to advanced full-feature welding applications. The Orbimax TX series are designed for industry-leading welding applications where full customisation and ease-of-use are critical.

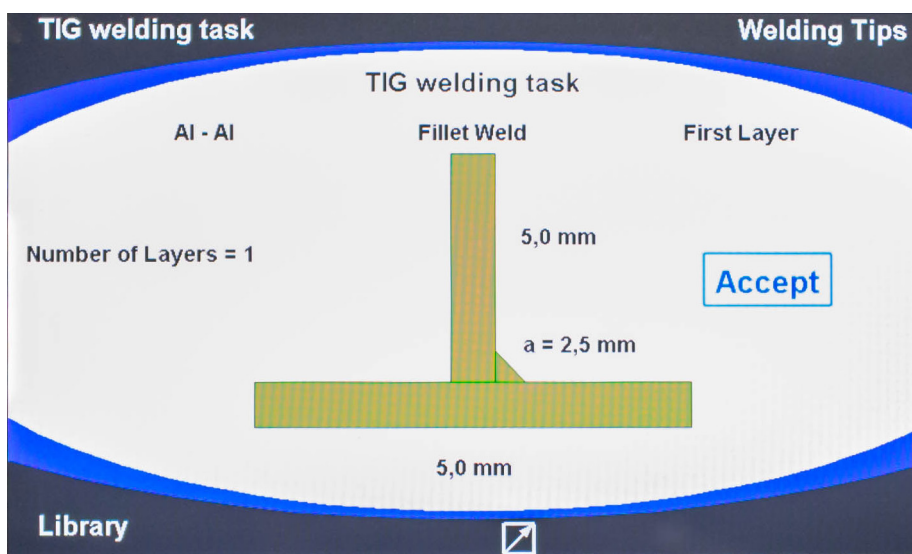
Orbimax are committed to building the future of welding by connecting the Smart + Simple for real-world welding applications.

EDGE

Our intermediate TIG welders give you the edge. Smart + Simple Edge series welders are equipped with everything the professional welder requires. Optimised for increased functionality, mobility and key features to perfect your weld.

SMART

Our top of the range Smart industrial grade MMA welders sets you up for the future of welding. Fully featured with Auto Smart Programming and an intuitive, yet simple interface. The Orbimax smart range is designed for professional use - designed for welders, by welders.



- 1 Quick choice program buttons.
- 2 Selection buttons.
- 3 R-Pilot buttons.
- 4 Home button
- 5 Menu button
- 6 Impact protected, Self-explanatory, Dynamic displays, Smart assist feature.

Highlights

Put yourself in control and create the perfect weld. The TX Series lets you choose a preset or override settings unique to your welding task. Choose from pre-programmed welds or create your own, save the function for future jobs and easily load your saved programs.

SMART + SIMPLE

Orbimax Industrial TIG Welders are Smart + Simple, designed with the future of welding in mind but with simplicity the core.

LIGHTWEIGHT, PRECISE AND RUGGED

Starting at only 7.5KG, the TX Series of welders are lightweight, portable and designed with the workshop and construction site in mind.

INTUITIVE INTERFACE

The intuitive user interface allows the user to easily and quickly edit and create weld settings. The digital display and easy to understand graphics enables the user to refine their welds to perfection.

Key Features

The TX Series are a TIG + MMA (DC or ACDC) welding range with industry-leading specifications and reliability. Backed by quality German made components and a three year limited warranty, giving you the confidence to get on with the job ahead, knowing your welder is up to the task.

ARC IGNITION



HIGH FREQUENCY (HF) START

Avoid tungsten contamination and achieve a more hygienic weld. HF Start uses touchless ignition which is created by high-voltage pulses between your work surface and the torch making for faster, smoother welds from ignition.



LIFT ARC

Simple contact ignition made between your work surface and the TIG electrode.

PULSE SETTINGS



PULSE

Conventional pulsing offers pulse times greater than 0.1 seconds.



HIGH SPEED PULSE

Weld faster while achieving the perfect weld with High Speed Pulse. Excellent for welding on thin wall materials.



HYPER PULSE

Hyper Pulse creates a narrow weld pool which solidifies faster, allowing for materials 0.1 mm and above to be welded fast and efficiently. The Hyper Pulse feature also reduces noise, adding to the long-term safety of staff.

SPOT WELDING



COLD TACKING

Save time tacking and avoid excessive heat input and discolouration with Smart Spot tacking. Cold tacking minimises heat by creating a quick weld pool.

MATERIALS



MATERIAL THICKNESS

Weld a broad range of materials from 0.1mm

SMART PROGRAMMING



SMART PROGRAM

Utilise existing weld presets or create your own programs with the ability to store 99 presets, saving you time and allowing you to switch between welds quickly. *Smart models only



SMART DUAL WAVE

For the welding of aluminium and brass: The Orbimax Smart Dual Wave feature alternates between AC and DC while removing the oxide layer which calms the weld pool, resulting in reduced pore formation and significant quality improvements. (AC/DC machines only).



SMART AUTO ASSIST

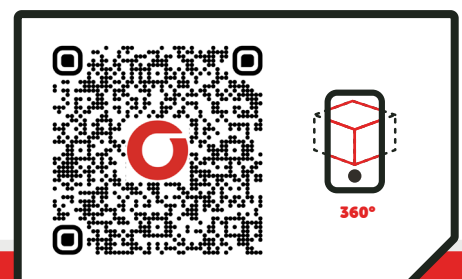
Weld Smarter with practical welding tips and a user-friendly interface, allowing you to select the base material and shape of the weld.

TX-182

The TX-182 is a TIG + MMA (DC or ACDC) welder with industry-leading features and reliability. Backed by quality German made components and a three year limited warranty, giving you the confidence to get on with the job ahead.

tx182

	TX-182 EDGE	TX-182 SMART
PROCESS	TIG + MMA	TIG + MMA
AC/DC	DC or ACDC	DC or ACDC
WELDING RANGE TIG MMA	4-180A 20-150	4-180A 20-150
POWER	230V - 50/60HZ	230V - 50/60HZ
DUTY CYCLE	100% @ 140A 40% @ 180A	100% @ 140A 40% @ 180A
WEIGHT	7.5KG TO 7.9KG	7.5KG TO 7.9KG
DIGITAL CONTROL PANEL	✓	✓
SMART SPOT	✗	✓
PULSE	✓	✓
HIGH FREQUENCY START	✓	✓
HIGH SPEED PULSE	✓	✓
HYPER PULSE	✗	✓
SMART DUAL WAVE	✗	✓
SMART PROGRAM	✗	✓
SMART ASSIST	✗	✓
DIMENSIONS (L X W X H)	480 X 160 X 320MM	



TX-230

The TX-230 takes the features and reliability of the TX-182 to a new level. With more power and an incredible duty cycle letting you focus on the next big project.

tX 230

	TX-230 EDGE	TX-230 SMART
PROCESS	TIG + MMA	TIG + MMA
AC/DC	DC OR ACDC	DC OR ACDC
WELDING RANGE TIG MMA	4-230A 20-180	4-230A 20-180
POWER	230V - 50/60HZ	230V - 50/60HZ
DUTY CYCLE	100% @ 160A 40% @ 230A	100% @ 160A 40% @ 230A
WEIGHT	7.9KG	7.9KG
DIGITAL CONTROL PANEL	✓	✓
SMART SPOT	✗	✓
PULSE	✓	✓
HIGH FREQUENCY START	✓	✓
HIGH SPEED PULSE	✓	✓
HYPER PULSE	✗	✓
SMART DUAL WAVE	✗	✓
SMART PROGRAM	✗	✓
SMART ASSIST	✗	✓
DIMENSIONS (L X W X H)	480 X 160 X 320MM	

DUTY & DURABILITY



DUTY CYCLE

Best in class industry-leading duty cycle of 100% @ 140A (TX-182) and 100% @ 160A (TX-230)



DURABILITY

7.1KG Built with the industry in mind. The lightweight yet sturdy design is built rugged for the job ahead.



FUME REDUCTION

Improve staff health and safety by reducing the amount of fumes produced when welding. By creating less heat and utilising smarter weld presets, you will improve visibility and weld more efficiently in the process.



BETTER WELD PUDDLE VISIBILITY

See more with better weld puddle visibility with Pulse, High Speed Pulse and Hyper Pulse settings.



VOLTAGE REDUCTION SAFETY DEVICE

Use less power while welding faster with smart voltage reduction safety device. The VRD ensures input current out of range protection in the event of a spike in voltage.



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