

Tungsten Inert Gas (TIG) and
Manual Metal Arc (MMA) welding

CastoTIG 1501 DC

*Stronger, with
Castolin Eutectic*



- Exceptionally compact, lightweight, dual TIG and MMA welding system
- 150 A welding current from a 230 V power source
- Microprocessor-controlled high-tech inverter power source
- Ideal for use on construction sites, installation work, repair and maintenance

WEAR & FUSION TECHNOLOGY

**Castolin Eutectic®
Eutectic Castolin**

WELDING

CastoTIG 1501 DC - Top-class portable welding equipment

The CastoTIG 1501 DC primary switched-mode welding rectifier is a further development of the tried and trusted transistor-controlled Castolin Eutectic inverter.

This compact microprocessor-controlled unit has been specially designed for direct current TIG welding operations, but also offers an ideal solution for Manual Metal Arc Welding (MMA).



- Easy to use for either on site construction, installation or repair work: compact size, minimum weight, very low power consumption with generator compatibility (Min. 6 kVA generator output).
- Manoeuvrable and practical. Offering easy handling due to its compact, lightweight, but robust construction (unit 5.7 kg).
- Fault-tolerant operating concept makes this equipment easy to use with improved menu guidance and clearly arranged operator controls. Easy-to-read digital display for programming and welding current status.
- The electronic high-frequency ignition system ensures perfect non-contact arc strike for all applications.
- Also has the ability to be switched to “Lift-Arc” ignition for TIG welding operations in critical areas where sensitive electronic circuits are used in control and monitoring systems.
- Pulse mode with full pulse control functions are included as standard. Offering direct access to all of the parameters required for professional TIG welding operations. 2-cycle and 4-cycle processes also fitted as standard.
- CE symbol and “S” marking for safe operations in areas of high electrical risk.

SETTING RANGES

Welding current:	5 - 150 A (TIG)
Welding current:	5 - 140 A (MMA)
Gas pre-flow period	0 - 3 s
Up-Slope:	0 - 20 s
Down-Slope:	0 - 20 s
Gas post-flow period:	0 - 20 s
Pulse frequency:	0,5 - 250 Hz

Technical Data

Welding current range:		5 - 150 A
TIG welding current at	35% duty cycle*:	150 A
	100% duty cycle*:	100 A
Arc voltage:	MMA / TIG:	20 - 25,6 V / 10 - 15,6 V
Mains voltage:		1 x 230 V / 50/60 Hz
Open circuit voltage:		54 V
Mains fuse required (slow-blow):		16 A
Input power at 100% duty cycle*:		5,9 kVA
Power efficiency at 35 % :		0.85
Degree of protection:		IP 23
Weight including power lead:		5,7 kg
Dimensions L x W x H:		360 x 120 x 215 mm

*10-min. cycle, 40 °C ambient temperature, in accordance with EN 60974-1



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