

Service information

We have competent service partners in all countries named on the guarantee certificate whose contact details can also be found on the guarantee certificate. These partners will help you with all service requests such as repairs, spare and wearing part orders or the purchase of consumables. Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.




Category	Example
Wear parts*	
Consumables*	Welding Electrode
Missing parts	

* Not necessarily included in the scope of delivery!

In the effect of defects or faults, please register the problem on the internet at www.isc-gmbh.info. Please ensure that you provide a precise description of the problem and answer the following questions in all cases:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)? Describe this malfunction.

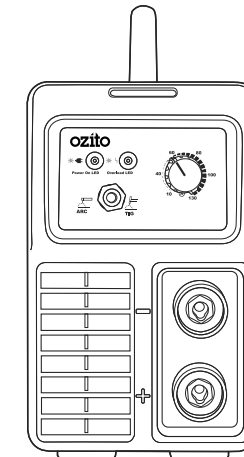
Declaration of conformity

ISC GmbH · Eschenstraße 6 · D-94405 Landau/Isar 	
explains the following conformity according to EU directives and norms for the following product	
Inverter Arc / Tig Welder IWT-130U (Ozito)	
<input type="checkbox"/> 2014/29/EU <input type="checkbox"/> 2005/32/EC_2009/125/EC <input checked="" type="checkbox"/> 2014/35/EU <input type="checkbox"/> 2006/28/EC <input checked="" type="checkbox"/> 2014/30/EU <input type="checkbox"/> 2014/32/EU <input type="checkbox"/> 2014/53/EC <input type="checkbox"/> 2014/68/EU <input type="checkbox"/> 90/396/EC_2009/142/EC <input type="checkbox"/> 89/686/EC_96/58/EC <input checked="" type="checkbox"/> 2011/65/EU	<input type="checkbox"/> 2006/42/EC <input type="checkbox"/> Annex IV Notified Body: Notified Body No.: Reg. No.: <input type="checkbox"/> 2000/14/EC_2005/88/EC <input type="checkbox"/> Annex V <input type="checkbox"/> Annex VI Noise: measured L_{WA} = dB (A); guaranteed L_{WA} = dB (A) P = KW; L/Ø = cm Notified Body: <input type="checkbox"/> 2012/46/EU Emission No.:
Standard references: EN 60974-1; EN 60974-10;	
Landau/Isar, den 20.10.2016	 Weichselgartner/General-Manager  Mayr/Product-Management
First CE: 16 Art.-No.: 44.722.50 I.-No.: 11016 Subject to change without notice	Archive-File/Record: NAPR014332 Documents registrar: R. Gehard Wiesenweg 22, D-94405 Landau/Isar



IWT-130U

GB Additional operating & safety instructions Inverter Arc/Tig Welder



Danger! - Read the operating instructions to reduce the risk of injury



Caution! Danger from electric shock.



Do not store or use the equipment in wet conditions or in the rain. Use the equipment only indoors.

The reprinting or reproduction by any other means, in whole or in part, of documentation and papers accompanying products is permitted only with the express consent of the iSC GmbH.

Subject to technical changes

The reprinting or reproduction by any other means, in whole or in part, of documentation and papers accompanying products is permitted only with the express consent of the iSC GmbH.

Subject to technical changes

Items supplied

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

Danger!

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

Proper use

The machine is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.


The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

Symbols and technical data

Input voltage:230V~ 50 / 60Hz
 Welding current: 10-130A
 Arc electrode size: 1.6 - 3.2mm
 Tungsten electrode size: 1.6 / 2.4 mm
 ARC duty cycle: 25% / 130A (25.2) DC
 TIG duty cycle: 25% / 130A (15.2) DC
 Insulation: Class I
 Protection type:IP 21 S


EN 60974-1 European standard for welding sets for manual arc welding with limited on time.

 Single-phase static frequency converter transformer rectifier

~ 50 / 60 Hz Alternating current and rated frequency value [Hz]

U_0 Rated idling voltage [V]

130 A / 25.2 V Maximum welding current and the corresponding standardized operating voltage [A/V]
 130 A / 15.2 V

 Highest welding time rated value in continuous mode t_{ON} (max) for highest welding current rated value at an ambient temperature of 20 °C, expressed in minutes and seconds.

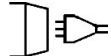
Welding

Electrode (Ø mm):	Welding current (A)
1.6	35 – 45
2.5	60 – 100
3.2	100 – 130

Electrode (tungsten needle) diameter (mm)	Welding current (A)
1.6	10 – 140
2.4	10 – 250

\varnothing Electrode diameter [mm]

I_2 Welding current [A]

 Line input; number of phases, the alternating current symbol and the rated frequency value
 1 ~ 50 / 60 Hz


U_1 Line voltage [V]


I_{1max} Highest rated value of the line current [A]

I_{1eff} Effective value of the highest line current [A]


H Insulation class


X On-load factor

 Symbol for manual arc welding with sheathed rod electrodes

 Symbol for TIG (tungsten inert gas) welding

IP 21 S Protection type

 Thoroughly read and understand the operating instructions prior to using the welder

 Highest welding time rated value in intermittent mode Σt_{ON} for highest welding current rated value at an ambient temperature of 20 °C over an uninterrupted time of 60 min, expressed in minutes and seconds.

Caution!

Residual risks

Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

Safety clothing

1. While working, the welder must protect his entire body from radiation and burns by wearing suitable clothing and a face guard.
2. Slip-on gloves made of a suitable material (leather) must be worn on both hands. They must be in perfect condition.
3. Suitable aprons must be worn to protect clothing from sparks and burns. A safety suit and, if necessary, head protection must be worn if required by the type of work in question, e.g. overhead welding.
4. The protective clothing used as well as all accessories must be in compliance with the "Personal safety equipment" EU Directive.

Protection from radiation and burns

1. Provide information about the risk to eyes at the working site in the form of a poster with the wording "Caution – do not look at the flames". Workplaces are to be screened off wherever possible so that personnel in the vicinity are protected. Unauthorized persons are to be kept away from the welding work.
2. The walls in the immediate vicinity of stationary workplaces should not have a light color or a sheen. Windows up to head height are to be protected against radiation passing through them or reflecting off them, for example by coating them with a suitable paint.



For EU countries only

Never place any electric power tools in your household refuse.

To comply with European Directive 2012/19/EC concerning old electric and electronic equipment and its implementation in national laws, old electric power tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

Recycling alternative to the return request:

As an alternative to returning the equipment to the manufacturer, the owner of the electrical equipment must make sure that the equipment is properly disposed of if he no longer wants to keep the equipment. The old equipment can be returned to a suitable collection point that will dispose of the equipment in accordance with the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment.