

UNIMAC

Digital Impact Wrench

User Manual



RETAIN THIS MANUAL FOR FUTURE REFERENCE

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE

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Parts List

1. Chuck 1/2"
2. Switch
3. Handle
4. Power cable
5. Motor housing
6. Carbon Brush compartment
7. LCD screen



Figure 1

Specifications

Description	Impact Wrench
Model / Type	IW1200
Power	240V ~ 50Hz
Motor	1050W
Protection Class	II
No load speed no.	2200 min ⁻¹
Torque: Tightening [F] / Loosening [R]	150 – 350Nm / 500Nm
Square chuck	1/2"
Sound pressure level (L_{PA})	102 dB (A) (K=3)
Sound power level (L_{WA})	113 dB (A) (K=3)
Vibration level	20.9 m/s ² (K=1.5 m/s ²)
Net weight (kg)	3.81 Kg

Symbols



Do not expose to weather conditions (ex. storm, rain, snow, etc.) or moisture.
Do not use in damp or wet areas.



Caution! Risk of injury and/or damage and/or deterioration of the tool in case of non-compliance to safety requirements.



Read the instructions manual.



Class II tool with double insulation.



Wear protective equipment, i.e. ear and goggles protection



Wear protective gloves and boots.



Keep all your body parts away from moving parts (e.g. chuck, bits, etc.)



Keep persons (esp. children) and animals away from this tool and the working area.



Disconnect this tool from its power source before maintenance, cleaning or any intervention on this tool; or when you are not using the tool.

Disconnect this tool from its main power source if this tool, power cable, or extension cord is damaged or cut during operation.

Unplug this tool by pulling the plug. Do not pull the cable.

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Do not dispose this tool with household rubbish.

Dispose this tool in the nearest recycling centre. Please contact your local authority or local recycling centre for further information for its safe disposal.

Safety Instructions

Before using this tool, read and understand all safety instructions. Always follow the safety instructions to minimise risk of damage to property, and to minimize any risk of damages and injuries to persons and animals.



READ ALL THE INFORMATION BEFORE OPERATING THE TOOL.

1. Keep the work area clean.
 - Cluttered areas and benches invite accidents and injuries.
2. Consider your work area environment.
 - Do not expose the tool to rain or to humidity.
 - Do not use the tool in damp or wet locations.
 - Keep work area well lit (natural light or sufficient artificial lighting).
 - Keep work area well ventilated.
 - Do not use the tool where there is risk in causing fire or an explosion (in the presence of flammable liquids, solids or gas).
3. Guard yourself against electric shock.
 - Avoid bodily contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
4. Keep children away
 - Do not let bystanders touch the tool, its power cable or extension cord.
 - All bystanders (esp. children) should be kept away from the tool and the work area.
 - Keep the tool away from children or from their environment. Never allow children to operate the appliance. Children should be supervised to ensure that they do not play with the appliance.
5. Store tools when not in use
 - When not in use, tool should be stored in a dry, high or locked-up place, out of reach of children.
6. Do not force the tool
 - It will do the job better and safer at the rate of speed for which it is intended.
 - Do not use the tool for purposes other than those for which it is intended. The tool will do a better and safer job if it is used only for the purposes it was designed for.
7. Use the right tool
 - Do not force small tools or attachments to do the job of a heavy duty tool.
 - Do not use tools for purposes not intended.
8. Dress properly
 - Do not wear loose clothing or jewellery; they can be caught in moving parts.
 - Wear protective hair covering to contain long hair.

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9. Use protective equipment
 - Wear protective equipment appropriate to the working conditions and work environment
 - Wear protective helmet, safety goggles, ear mufflers, face or dust mask, rubber gloves and non-skid footwear to reduce the risk of personal injury when using the tool.
10. Do not pull the power cable
 - Never carry the tool by the cable or yank it to disconnect it from the socket.
 - Keep the cable away from heat, oil and sharp edges.
 - Inspect the tool's cable periodically. If damaged, have it repaired by an authorized service facility.
 - Inspect extension cords periodically and replace, if damaged.
11. Secure the work piece
 - Use clamps or a vice to hold down the work piece. It is safer than using your hand and it frees both hands to operate the tool.
12. Do not overreach
 - Keep proper footing and balance at all times.
13. Maintain the tool with care
 - Keep the tool clean for better and safer performance.
 - Follow instructions for lubrication and changing accessories.
 - Keep handles dry, clean and free from oil and grease.
14. Disconnect tools when not in use, before servicing and when changing accessories such as bits.
15. Remove the adjusting keys and wrenches
 - Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
16. Avoid unintentional starting
 - Do not carry a plugged-in tool with a finger on the switch.
 - Ensure that the switch is off when plugging in.
17. Use of extension leads
 - When the tool is used with an extension cord, ensure that the extension cord withstands the tool ratings.
 - If used outdoors, use only extension cords that are intended for outdoor use.
18. Stay alert
 - Watch what you are doing. Use common sense.
 - Do not operate the tool when you are tired, under the influence of alcohol, prescription medicines or drugs.
19. Check for damaged parts
 - Before further use or reuse of the tool, it should be carefully checked to determine that it will operate properly and will perform its intended function.
 - Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation.

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20. Defective switches or other part that are damaged should be properly repaired or replaced by an authorized service centre. Do not use the tool if the switch does not turn on or off.

21. Warning

- The use of any accessories or attachments, other than those recommended in this instruction manual, may present a risk of injury to persons or animals and may cause damages.
- The user and/or operator are responsible for any damages or injury caused to properties and/or persons.

22. Have your tool repaired by a qualified person

- Unless otherwise indicated in this instruction manual, repairs or replacement of any damaged part in an authorised service centre is recommended.
- This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

23. Remarks:

- The safety precautions and instructions given in this manual are unable to cover in detail all the conditions and situations that may arise.
- The operator and/or user must use common sense and caution when operating the tool, especially for any matters that are not referred to in the above.

Special Warnings When Using This Tool

1. Become familiar with the controls and the proper use of the equipment.
2. The use of this tool by children is forbidden.
3. Only well-instructed adults should operate the tool. This tool is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the tool by a person responsible for their safety.
4. Use only accessories with a permissible speed at least as high as the no-load speed of the machine.
5. Do not use the tool if it is damaged or vibrating.
6. Always hold the tool firmly to avoid kickbacks.
7. Never seize the chuck or bit during operation.
8. Always turn off the tool before putting it down (note: Ensure that the chuck is no longer rotating when you put down the tool)
9. If the power cable is damaged, it must be replaced by the manufacturer, its after sales service or a person with similar qualification in order to avoid any danger.

If the power cable or extension cord is damaged or cut during operation, immediately disconnect the plug from its main power source. Do not touch the cable or extension cord before unplugging from the main power.

10. Do not attempt to change the selectors' position when the motor is operating. This action may damage the tool.
11. Hold the power tool by its insulated gripping surfaces when performing an operation where the tool may be in contact with hidden wiring or its own cord.

Contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

**12. Residual risks**

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors.

The following hazards may arise in connection with the tool's construction and design:

- a. Damage to lungs if an effective dust mask is not worn.
- b. Damage to hearing if effective hearing protection is not worn.
- c. Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

13. WARNING!

This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend that persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

**14. Wear hearing protection while operating the power tool.**

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.

The declared vibration total value may also be used in a preliminary assessment of exposure.

15. WARNING: The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used.

There is the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Getting Started



Before any intervention on the tool, ensure that the tool is disconnected from its power source.

Unpacking

- Remove the tool from its packaging.
- Check if the tool and accessories are not damaged.

Inserting and Removing a Socket

To install a socket on the anvil (Figure 2):

- Align the hole of the socket with the anvil and push down firmly.
- Ensure that it is centred and properly fixed.

To remove a socket from the anvil:

- Pull the socket out firmly.



Figure 2

Switch

To operate the tool, press on the switch (Figure 3).

To stop the tool, release the switch.

The switch has 2 positions:

- on top: (R) to reverse (go counter-clockwise)
- on bottom: (F) to go forward (clockwise)



Figure 3

Torque Adjustment

Refer to Figure 4.

- Press the '+' button to increase the torque (max. 350Nm in tightening mode and 500Nm in loosening mode).
- Press the '-' button to decrease the torque (min. 150Nm in tightening mode).



Figure 4

Operation

Intended Use

- This tool is intended for domestic use only.
- This tool is intended for forward and reverse screwing (e.g. changing wheels, exhaust pipe, shock absorbers, lawnmowers and small motors).

Operating the Digital Impact Wrench

1. Connect the tool to a power source (refer to the [specifications of the tool](#)).
2. Wear appropriate protective equipment.
3. Prepare the material/s for work.
4. Secure the material/s, if necessary.
Do not use your own weight or body to hold down the material/s.
5. Firmly hold the tool with both of your hands. Always maintain a balanced and secure position.
6. Place the socket on the material/s. Do not make any sudden movements.
7. Press on the rocker switch (R or F, Figure 3) to start working.
8. Once your work is finished, stop the tool by releasing the switch.

Note: Do not put down the tool until the chuck has completely stopped rotating.

Maintenance and Storage



Before any intervention on the tool, ensure that the tool is disconnected from its power source.

Maintenance

- Clean the plastic parts with a soft, clean cloth.
- Do not use aggressive cleaners (solvents or abrasive cleaners), or an abrasive sponge.
- Do not put or immerse the tool in water or any other liquid.
- Clean the ventilation holes with a soft brush.

Storage

- The tool must be stored in a dry location. Always lock up the tool and keep it out of reach of children.

Disposal

- Do not dispose the tool with household garbage. Do not throw into the environment.
- Dispose the tool in a collection centre for electrical/electronic equipment, or a waste drop-off centre, or seek advice from your local municipality representative.



Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.