IDUCTOR / HANDHELD INDUCTION HEATER

W1200

1200 W · 230 VAC · COMPACT, FOR EVERYDAY WORKSHOP FASTENERS

IDU-W1200
Basic Kit IDU-W1200-BASIC-EU · EAN 8718868455055
Professional Kit IDU-W1200-PRO-EU · EAN 8718868455727

1200 W — Output, microprocessor-controlled

230 VAC — 50–60 Hz · Class I · 10–16 A socket

3.8 kg — Basic Kit in case 49 × 39 × 13 cm

3 years — Warranty on the iDuctor unit



Flameless loosening of seized bolts, nuts and studs

The iDuctor W1200 is the compact induction heater in the iDtools range. It heats ferromagnetic parts from the inside by induction, without an open flame: the coil is placed around the seized bolt or nut, the trigger is pressed, and the steel expands within seconds while wiring harnesses, brake and fuel lines, rubber, paint and surrounding components stay cold.

With 1200 W and a slim, angled housing the W1200 is built for everyday automotive work: exhaust studs, suspension and brake bolts, thread-locked screws, small bearings and bushings, in the tight spaces under a car or van. Coils and Flexcoils click into the patented clamping mechanism by hand; no tools are required.

The unit is microprocessor-controlled, protected against overload and overheating, CE marked, and designed and manufactured in the Netherlands.

DESIGNED FOR

- Seized bolts, nuts, studs and screws up to M16; larger with more time
- Exhaust, suspension, brake and driveline fasteners
- Small bearings, bushings and shrink-fitted rings
- Cars, vans and light commercial vehicles
- Work in confined spaces, next to plastics, cables and lines

iDuctor W1200	iDuctor W2000	iDuctor W2300 Power+
1200 W · 230 V	2000 W · 230 V or 120 V	2300 W · 230 V
Cars, vans, everyday bolts and nuts, small bearings and bushings, tight spaces	Heavier daily work; the only iDuctor also available as a 120 V version	Trucks, agricultural and construction machinery, massive parts, all-day use

TECHNICAL SPECIFICATIONS

ELECTRICAL

POWER SUPPLY

Output power	**1200 W**
Voltage	**230 VAC ±10 %**
Frequency	**50–60 Hz**
Protection class	**Class I** Earthed wall socket required
Mains fuse	**10–16 A** No internal fuse; live when plugged in
Generator use	**Permitted** Clean sine wave, 50–60 Hz, adequate power
Power cord	**3.00 m, C13 with IEC lock** EU plug

CONTROL

Operation	**Trigger push button** Heats only while pressed
Power / time	**Rotary switch, 6 positions** 50–100 %, 20 s to continuous (page 3)
Work light	**White LED on the front** Also flashes to indicate a fault
Cooling	**Integrated fan** Runs until the unit has cooled

COMPLIANCE

Marking	**CE** EMC and Low Voltage Directives
EMC standards	**EN 55011 · EN 61000-6-1** EN 61000-3-2 · EN 61000-3-3
Safety standard	**EN 60335-1**
Patents	**EP 2809127 ·** **WO 2014/193225 A1** DE 202013012686 · DE 202013012687
Origin	**The Netherlands** Designed and manufactured in NL

MECHANICAL & ENVIRONMENT

MECHANICAL

Type	**Handheld induction heater** Angled housing, fan-cooled generator
Coil connection	**Patented clamp** Tool-free coil change in seconds
Coil types	**Standard coils M8–M30** Flexcoils 1.1–3.5 m, U-coil, Steerstick, heat pad
Case	**49 × 39 × 13 cm** Impact-resistant case with foam inlay
Kit weight	**3.8 kg (Basic Kit)** Professional Kit: plus 8-coil set, 0.7 kg

WORKING ENVIRONMENT

Ambient temperature	**−5 °C to +40 °C**
Relative humidity	**0–90 %, non-condensing**
Ingress protection	**IP20** Indoor use, keep dry
Altitude	**Up to 2000 m above sea level**

MATERIALS HEATED

Suitable	**Ferromagnetic metals** Carbon and low-alloy steel, cast iron, ferritic and martensitic stainless (AISI 410, 430)
Not heated directly	**Aluminium, copper, brass, AISI 304/316** Heat the adjacent steel part instead

PROTECTION

Generator	**Microprocessor-controlled** Reduces power on overload or overheating
Thermal cut-out	**Automatic, self-resetting** Resumes after cooling down
Coil monitoring	**Connection and short-circuit detection** Unit stops, LED flashes

OPERATION

Pos.	Output	Auto switch-off
1	50 %	20 s
2	75 %	20 s
3	100 %	20 s
4	100 %	30 s
5	100 %	60 s
6	100 %	Continuous

How it works. Select the coil that closes around the part without touching it, set the rotary switch at the rear and press the trigger. In positions 1–5 the unit stops automatically after the set time; in position 6 it heats for as long as the trigger is held, until the thermal cut-out intervenes. The LED lights the work and the fan cools the generator; keep the unit connected until the fan stops. A ticking sound at the lower power settings is normal.

Temperature. The iDuctor has no temperature setting: it delivers power, the part determines the result. Steel can be brought to 300–600 °C in less than a minute; a seized nut is usually free after a few seconds. Bearings to be removed need only about 110–120 °C: heat in short bursts and check with an infrared thermometer.

KIT CONTENTS

W1200 / BASIC KIT



- iDuctor W1200 in impact-resistant case
- Flexcoil FL1100, Kevlar sleeve to 750 °C
- U-coil U160-600
- Heating coils M8 and M10
- 3 m power cord, IEC lock
- User manual and safety sheet

IDU-W1200-BASIC-EU · 3.8 kg

W1200 / PROFESSIONAL KIT



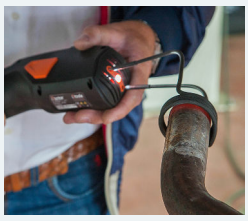
- Everything in the Basic Kit
- Coil set, 8 pieces M8–M30
- The right coil for every fastener from M8 to M30

IDU-W1200-PRO-EU
Coil set
IDU-SET-COIL-M8-M30-8PC



FIXED COILS FOR BOLTS AND NUTS

The coil slides over the bolt or nut; the metric size of the coil matches the thread size. After a few seconds the thread is free.



FLEXCOIL FOR ODD SHAPES

The flexible coil is wound around pipes, bushings, bearing rings and parts a fixed coil cannot reach. Start with one turn; too many turns trips the current protection.

SAFETY NOTES

- Generates a strong magnetic field: keep persons with pacemakers or implants, and magnetic media, away from the coil.
- Coils and heated parts become hot. Let coil and unit cool before changing coils or storing. Wear suitable gloves and eye protection.
- Use only original iDuctor coils; never use a coil with damaged or worn insulation. Do not run a Flexcoil continuously for longer than 30 minutes.
- Connect to an earthed socket fused at 10–16 A. The unit is live as soon as it is plugged in.
- Indoor use only (IP20). Not for persons under 16 without supervision. Maintenance-free; dry cloth only. Read the user manual before first use.

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COMPATIBLE COILS & ACCESSORIES

All coils click into the same clamping mechanism. Fixed coils: internal diameter, overall length (L) and number of turns, conductor 3.5 mm. Flexcoils are wound in as few turns as the job allows. Temperature rating refers to the coil's insulating sleeve.

Product / order code	Dimensions	Insulation rating
Heating coil M8, L = 150 IDU-COIL-M8-L150	Ø 18 mm · L 150 mm · 3.5 turns · in both kits	250 °C
Heating coil M10, L = 150 IDU-COIL-M10-L150	Ø 23 mm · L 150 mm · 3.5 turns · in both kits	250 °C
Heating coil M10, L = 250 IDU-COIL-M10-L250	Ø 23 mm · L 250 mm · 3.5 turns	250 °C
Heating coil M12, L = 200 IDU-COIL-M12-L200	Ø 26 mm · L 200 mm · 3.5 turns	250 °C
Heating coil M16, L = 200 IDU-COIL-M16-L200	Ø 32 mm · L 200 mm · 3.5 turns	250 °C
Heating coil M20, L = 200 IDU-COIL-M20-L200	Ø 40 mm · L 200 mm · 3.5 turns	250 °C
Heating coil M24, L = 240 IDU-COIL-M24-L240	Ø 47 mm · L 240 mm · 2.5 turns	250 °C
Heating coil M30, L = 240 IDU-COIL-M30-L240	Ø 52 mm · L 240 mm · 2.5 turns	250 °C
Coil set, 8 pieces M8–M30 IDU-SET-COIL-M8-M30-8PC	The eight coils above · in Professional Kit	250 °C
Flexcoil FL1100 IDU-FLEX-FL1100	L 1100 mm · Ø 5 mm · in both kits	750 °C
Flexcoil FL2000 IDU-FLEX-FL2000	L 2000 mm · Ø 5 mm	750 °C
Flexcoil FL2500 IDU-FLEX-FL2500	L 2500 mm · Ø 5 mm	750 °C
Flexcoil FL3000 IDU-FLEX-FL3000	L 3000 mm · Ø 5 mm	750 °C
Flexcoil FL3500 IDU-FLEX-FL3500	L 3500 mm · Ø 5 mm	750 °C
U-coil U160-600 IDU-COIL-U160-600	Open U shape · L 600 mm · Ø 8 mm · in both kits	250 °C
Steerstick Heater 70–200 IDU-COIL-ST70-200	Shaped coil · 200 × 40 × 70 mm	250 °C
Induction heat pad 10 × 10 cm IDU-PAD-100X100	Flat surface: stickers, trim, adhesive, paint	—
Power cord EU 3.00 m IDU-CORD-EU-C13	C13 with IEC lock	—

The blue Power+ coils (IDU-COIL-...-PWR) are wound for the higher output of the W2000 and W2300 Power+ and are not used on the W1200. Prices and volume discounts: see the iDtools dealer price guide. Data sheet v1.2 · 18 November 2026. Specifications subject to change without notice.