

UPC-310ML PLASMA CUTTER

Product group: **192** Product number: **310331**

The UPC-310ML is ideal for cutting all current carrying materials. It is able to function on any supply voltage between 110 V to 230 V.



Product information

This product supersedes product no: **310310**

Features

- Lightweight, small and easy to operate.
- Severance cuts up to 12 mm steel thickness, Quality cut up to 10 mm, steel thickness Recommended cut 8 mm steel thickness.
- Spare part kit is included with the machine.
- Does not uses HF ignition system.
- "Consumables check" technology to notify user the need to replace consumables to prevent damage to torch.
- "Air Test" button to check the compress air pressure.
- Overheat protection and low air pressure protection
- "Reset" button" which will reset all safety features when depressed by the operator.
- Duty cycle 20% at 30 A, 60% at 18 A and 100% at 16 A.
- Ingress protection IP23S.
- Torch with safety trigger according to CE standard

Benefits

The UPC-310 ML uses a No High Frequency blowback ignition system. This is of great importance for shipboard use. It does not interfere with radio communication or other electronically controlled equipment.

Cutting capacity is up to 10 mm steel and typical cutting speed is 500 mm/min on 6 mm steel The output is stepwise adjustable for precision cutting at lower speeds.

Compact and portable, the unit is built on the inverter principle which in addition to excellent cutting properties provides low weight and compact dimensions. The plasma cutter may easily be passed through manholes and brought to any workplace on board.

Specification

General

Invent Hazard Material (IMO/EU) classification	D-1
Product catalog URL	https://www.wilhelmsen.com/product-catalogue/products/welding/arc-welding-equipment/arc-weldingcutting-machines/unitor-plasma-cutter-upc-310ml/?epieditmode=true

Dimensions/Weight

Dimensions L x W x H [mm]	430x160x350
Weight [kg]	15.4

Technical data

Air flow [l/min]	100
Air pressure [bar]	5.5
Ingress protection	IP23
Temperature class	H
Voltage [V]	110 - 230

The UPC-310ML is supplied with 3.5 m Primary cable , Torch with 6m cable, Return clamp with 6 m cable with DIX25 connector, Initial supply of consumables is 2x Electrode, 2 x Tip drag, 1 x Cartridge.

Documents

[310331_UserManualRev01](#)

[310331_Troubleshooting Manual PW](#)

[SDoC and MD for IHM](#)

Related products

Accessories

510453	LEATHER SPATS. PAIR
510438	LEATHER JACKET LARGE
510420	LEATHER APRON F/WELDING
310326	CIRCLE CUTT. GUIDE F/UPC-310TP, UPC-310ML, UPC-85ML

176024	PORTABLE WELD.TABLE
632786	WELDERS GLOVES. 6 PAIRS

Spares

310338	CONSUMABLE KIT FOR UPC-310ML
310336	TIP DRAG CUTTING FOR UPC-310ML/UPC-85ML, SET OF 5 PCS
310332	TORCH WITH 6M CABLE FOR UPC-310ML
310335	START CARTRIDGE FOR UPC-310ML/UPC-85ML

310333	TORCH HEAD FOR UPC-310ML/UPC-85ML
310337	SHIELD CUP BODY FOR UPC-310ML/UPC-85ML
310334	ELECTRODE FOR UPC-310M/UPC-85ML, SET OF 5 PCS

Is frequently bought together with

779032	AUTODARK 300 WELDING SHIELD
624585	AIR LINE UNIT FIL/REG/LUB

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