De Fuut

Technical data of the portable battery-powered electrofishing unit



Technical data

Type	De Fuut, battery-powered portable electrofishing unit
Power supply	Lithium battery 12 V, 18 Ah
Charger	12.6 V, 6 A
Operating time	approx. 2 hours of intensive use
Fuse	10 A slow-blow
Output voltage (landing net)	350 V DC
Output power	100 W
Pulse frequency (pulsed DC)	120 Hz
Current setting	12 settings
Water conductivity	3 settings: low, normal and high conductivity
Ideal working current	8 to 9.5 A (above 10 A the indicator lamp flashes)
Control unit dimensions (h × w × d)	160 × 240 × 121 mm
Weight	approx. 5 kg
Degree of protection	IP44 to IP65, protective insulation
Safety class	Class II, CE
Built in accordance with	NEN 1010 and NEN 3140

Components

Control unit	Converts the 12 V supply voltage into high voltage. Waterproof, safely insulated housing.
Battery box	Lithium battery 12 V, 18 Ah with emergency stop and charging connection.
Hand anode (+)	Landing net frame 40 cm wide with net, 1.5 m HP pole with push switch, 1.5 m insulated cable, waterproof plug.
Cathode (–)	1 m copper braid on 1.5 m insulated cable, waterproof plug. Trailed under water.
Carrying strap	For carrying the control unit and battery box on the back.

Controls

- Ammeter
- Main switch (on/off)
- Emergency stop (also on the battery box)
- Output current selector (1 to 12)
- Water conductivity selector (1 to 3)
- Reset button with indicator lamp
- Waterproof connectors for anode and cathode

Maintenance

- Annual inspection mandatory (to be carried out by AVASTO)
- Store dry and switch off the main switch after use
- Charge the battery after use with the charger supplied

Safety

- Electrofishing only while the push switch on the anode pole is pressed (dead man's control)
- Emergency stop on control unit and battery box; tilt protection switches off when the unit is tilted
- After an emergency stop or tilt protection trip, the control must be released with the reset button
- The anode and cathode plugs cannot be swapped; if interchanged, the unit will not work
- Keep unauthorised persons, children and animals at least 25 m from the working area
- For use only by persons who have completed an electrofishing course

Warranty: 1 year. All deliveries are subject to the Metaalunie terms and conditions.