

# Operating-Instructions Arkograf

Type 70040 Electric Etcher  
Type 70041 Electric Etcher  
and Branding-Pen

## General Instructions:

For your safety and also for the safety of your work- environment observe the safety-instructions. They warn of possible danger and give information, of how avoiding it.

## Operation:

The Arkograf (Electric-Etcher and Branding-Pen) should be used following the operation-instructions. The operation-instructions must be read and understood by the staff.

## Safety-Rule:

The appropriate working-safety-guidelines and safety-rules must be observed.

Danger of electric shock! The Arkograf is not protected against splashing water and must not be used in damp locations!

Protect against humidity!

Danger of electric shock! For repair work or work inside the Arkograf, the Arkograf has to be unplugged. Repair is allowed by authorized personal only.

Danger of burning! Operation-time maximal 4 minutes.

Afterwards change of pen and cooling off.

Danger of retina damage! Wear safety-glasses for protection of the UV-light when working with the writing-pen.

Danger of poison! Using the Arkograf, suitable absorption of developing smoke and steam is necessary.

Danger of burning and fire! After use, writing-electrodes, branding-slings and the work-holder are very hot.

Danger of damage to the Arkograf! The connector must not be short-circuit or bypassed, for example with metal. Only 2 connectors (1 pen) may be used at the same time. With the Branding-Pen use only connectors 2+3 or 3+4!

After work is done, switch off the Arkograf and pull out mains plug.

## Technical Data

Operating voltage	230V AC, 50/60 Hz
Equipment-fuse protection	T 0,63 A (sluggish)
Transformer	reg. VDE 0550/0551
Power-Efficiency	maximal 800 Watt
CE-Conformity	in accordance with EMV-law
Working voltage	2-10 V AC after tapping
Glow-Power	continuous adjustable 0-10 (only type 70041)
Writing-Electrodes	1,2 mm and 1,5 mm
Maximal Operating-Tim	4 minutes

## Function

The Electric-Etcher, type 70040 will mark metal parts, using the writing-pen.

With the Electric-Etcher/Branding-Pen, type 70041 additional branding-work can be done using the special Branding-Pen on different materials. Type 70041 has a continuous adjustable control unit to regulate the glow-power.

## Delivery-Contents

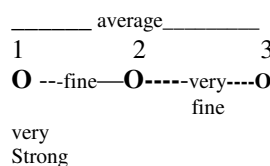
Type 70040 -	-Arkograf counter-pole with connecting cable writing-pen with connecting cable 3 electrodes
Type 70041 -	- additional delivery-content to type 70040 glow-power-control (built in) branding-pen with connecting cable 3 glow-slings

## Working with the writing-pen

observe safety-instructions  
observe maximal operating-time  
danger of burning!  
After writing - writing-electrode very hot!

The material to worked on should be free of rust and tinder. For best results, resharpening of the writing-electrodes is possible.

- set glow-strength control on pos.10 (type 70041)
- place writing-electrode in writing-pen and tighten screw
- set vibration-feather with adjusting-screw on writing handle, leave a space of 1 to 1,2 mm to the armature. Do not strip adjusting-screw!
- place counter-pole with writing-pen in the connectors



- Place mains-plug into sealed contacts socket.
- Firmly place material on counter-pole.
- Mains switch "on", control lamp lights up.
- Start writing. The writing-pen has to be held vertical on the material to be worked on.
- After work, place writing-pen on safe place. Danger of burning!
- Switch off mains switch and pull out mains plug from sealed contact socket.

## Working with the Branding-pen

- Observe safety rules!
- Observe maximal working-time!
- Danger of burning!
- Branding-electrodes will be very hot after working with pen.
- Only use connectors 2+3 or 3+4 when working with the pen.

- Use Branding-Pen only in connectors 2+3 or 3+4.
- Depending on material to be worked with, adjust glow-temp. on control (0-10).  
Position 10 = highest temperature  
Position 1 = lowest temperature
- Place mains-plug into sealed contacts socket. Hold pen securely in hand.
- Mains-switch "on", control lamp lights up.
- Wait until electrode glows.
- Start working. Check results and if necessary adjust glow-strength.

Work with the electrode is sluggish. When regulating the branding-power it is necessary to wait shortly before the electrodes have adjusted to the new temperature.

- If the branding-pen is too hot, interrupt work or use another branding pen (not incl. in the delivery contents). When exchanging, danger of burning!
- After work is completed, place branding-pen on a fire-proof pad.  
Danger of burning and of fire!
- Switch of mains switch and pull out mains plug from the sealed contact socket.

## Maintenance

The Arkograf is maintenance-free.  
Worn off electrodes can be resharpened.  
Electrodes and glow-slings available at your dealers.

## Guarantee

During production the Arkograf is checked several times.  
We give guarantee for material and quality. Should for any reason the Arkograf fail in spite of correct handling, but for the reason of a production- or material defect, it will be repaired without charge within the guarantee-time of 6 month. Guarantee effective from the time of delivery, showing receipt of purchase. Guarantee is not given if others but the factory have opened the equipment or worked on it. Guarantee-offers beside the above mentioned are not provided.

Power supply as all other parts must be bought from the factory. Opening of the equipment only from the factory.

With the opening of the equipment any guarantee-claim expires.