



**DEGAUSSER INSTRUCTION MANUAL**  
**ASM 120 ProDevice**

## Contents

Introduction	04
Package contents	04
Unpacking	05
Decommissioning	05
Safety	06
Operation and technical parameters	07
PPMS technology	09
Front, rear panels and side view	09
Installation and use	11
Warranty conditions	15

## Word to the user

Thank you for purchasing ProDevice ASM120 degausser. This device was designed using state of the art technical know-how and manufactured using modern and reliable electrical, electronic and mechanical elements. It produces a strong magnetic field to completely delete data from magnetic storage media.

**An innovative Pre-Paid Management System (PPMS) is implemented in the degausser which enables access to the advanced and unique functions of the device.**

Please read the manual carefully before using the device.

Observe instructions included in the manual to prevent incorrect use and possible damage to the degausser.

**Retain the instruction manual and keep it in a secure place.**

## Package contents

- ASM 120 ProDevice degausser
- Power cable
- RJ45 UTP patch cable Cat. 5
- Software
- Degausser instruction manual and warranty card
- Software and PPMS manual

## Unpacking

The device is protected against transport damages. Remove packaging elements after unpacking in a way not harmful to environment.

Check for transport damages to degausser immediately after unpacking. Inform the transport company and the of the device distributor if the degausser or accessories were damaged or impaired. Read the detailed information on the warranty.

Leave the device for at least 3 hours before starting to degauss if the device has been transported in low ambient temperature.

## Decommissioning



According to the idea of GreenIT, correct handling of electronic and electrical waste helps to avoid harmful consequences to the people's health and to environment resulting from incorrect storage and processing of equipment. This is provided for by European Community Directive 2002/96/EC and Polish act on waste electrical and electronic equipment.

A degausser after the end of life should be submitted to an electrical and electronic waste collection point.

This is signalled by a symbol placed on the product, packaging or in manual. Information on collection points for waste can be obtained from the degausser's manufacturer.

## Safety

Read the instruction manual before using the machine!



### **HIGH VOLTAGE!**

Risk of electric shock after removing cover!

---



### **ELECTROMAGNETIC FIELD!**

This machine produces a strong electromagnetic field. People with pacemakers should not stay in the room during operation of degausser.

---



### **WATER AND HUMIDITY!**

Do not use the degausser in places where it might be subjected to humidity. Do not place containers with water. Do not let any liquids act on the device.

---



### **HIGH TEMPERATURE!**

Do not place the device near sources of high temperature.

---



### **LIGHTNING/ELECTRIC DISCHARGE!**

Unplug the device from local and power grid during a thunderstorm.

---



### **CLEANING**

Unplug the device from mains before cleaning the housing. Do not use any liquids for cleaning.

It is prohibited to manipulate, unscrew or remove the housing from the device. Do not place any other objects than magnetic storage media intended for degaussing inside the device.

Any maintenance activities can be carried out only by the device's manufacturer or in specialized workshops selected by the manufacturer.

## Operation and technical parameters

### Operation

ASM120 degausser is intended for erasing data from the majority of magnetic storage media available on the market with the dimensions that enable to fit them inside the device drawer. A disk is simply put in a drawer which enables deleting data from different types of media, and from media with different dimensions. There is no need to use extra connectors or adapters.

Strong magnetic pulse generated by the device causes physical change in the ferromagnetic layer of a medium and transforms it into a paramagnetic. This results in an irreversible loss of data and makes the medium unusable (no data can be stored again – does not apply to some types of tapes: DAT, DLT).

### Types of storage media which can be degaussed in ASM120 ProDevice:

- 2.5" and 3.5" HDDs (also disks from storage chassis with housing)
- Streamer tapes: LTO, DLT, SDLT, DDS, DAT, AIT, Travan, SLR, QIC, 3592, 3590E, 3490E 3480, 9840, 9940, T10K
- Floppy disks, audio and video tapes.

**ProDevice ASM120 can be used for continuous operation.**

## Magnetic field

ASM120 generates a single, concentrated magnetic pulse which is active for at least 1/50 s – only during the degaussing of storage media. High concentration enables the device to erase modern storage media with high coercion factor with simultaneous distribution of the magnetic field outside the actual erasing field.

## Technical specifications

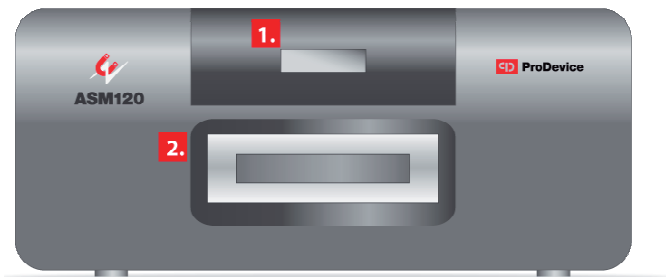
Device make	ProDevice
Device name	ASM120
Power Source	230 V, 50 / 60 Hz (depending on the version, the device can be designed to match voltage in the country it will be used)
Power consumption	Ready mode: 0.2 A
Degaussing system	Volumetric discharge
Erasing time	30 seconds/storage medium
Magnetic field intensity	1.1 T (11 000 Gauss)
Maximum storage medium dimensions	26 cm x 12 cm x 5 cm
Ambient temperature	5°C – 45°C (41°F – 104°F)
Working humidity	10% to 60% (no condensation)
Dimensions	H - 200 mm x W - 465 mm x D - 325 mm
Weight	30 kg

## PPMS technology

Unlike other devices, ASM120 enables remote programming of allowable number of erasing cycles. An automatic lock is activated after this number is exceeded. This is possible due to innovative PPMS (Pre-Paid Management System) technology: degausser is programmed for a preset volume of data erasing units. The user (using special application) can charge degausser with extra media deleting cycles. This way the user can freely decide about the final number of cassettes or disks being degaussed.

## Front, rear panels and side view

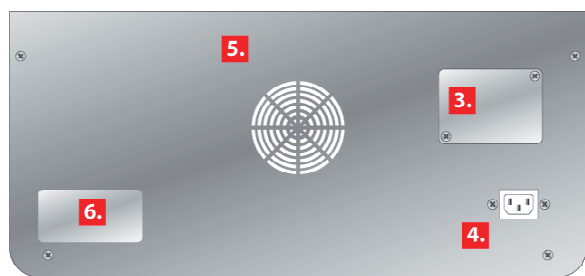
### Front panel



1. LCD display
2. Media drawer

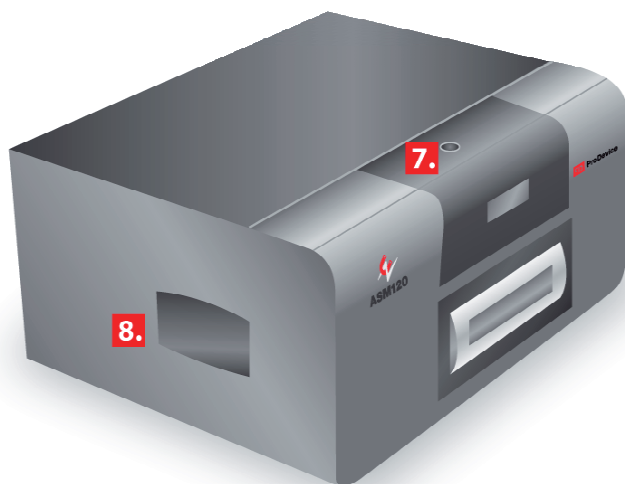


## Rear Panel



- 3. Ethernet socket cover
- 4. Power socket
- 5. Fan
- 6. Data plate

## Side view



- 7. Power button
- 8. Side handle

## Installation and use

### Requirements for power supply

Check power supply parameters for the device on the rating plate located on the rear panel of degausser. Use only the original power cable supplied with ASM120.

### Location of the device during operation

Place the degausser on a flat, stable surface. Forced cooling air flow is used to maintain optimum air temperature inside the degausser. Keep 20 cm distance from any objects to ensure optimum operation of cooling system located at the back of the device. All devices (in particular data media not intended for degaussing) should be located at least 1 m from degausser.



IT IS PROHIBITED TO OPEN DEVICE HOUSING. ANY SERVICE ACTIVITIES SHOULD BE PERFORMED ONLY BY QUALIFIED PERSONNEL WITH APPLICABLE QUALIFICATIONS. REMOVING THE HOUSING CAUSES RISK OF ELECTRIC SHOCK AND/OR DEATH!

---

The main power switch activates and initializes the operation of the device and activates cooling system.

## Degaussing instructions

1. Press the power button (7)
2. The following items are displayed in sequence (1):
  - splash screen with device name,
  - information on the required technical survey (if the service counter reaches value defined by the device's manufacturer),
  - information on the remaining number of cycles (if the allowed cycle counter is set),
  - information on the number of completed cycles (since the last resetting of cycle counter),
  - depending on the location of the drawer, information on the further steps will be displayed.

**NOTE** Messages shown on LCD (1) are in English but they are also available in different languages. Contact manufacturer or distributor to change the language.

**NOTE** Communication with PC is possible only at this time. After changing the position of the drawer the communication with PC is locked.



**YOU MUST DISCONNECT THE CONNECTING CABLE BETWEEN THE DEVICE AND COMPUTER AND PLACE COMPUTER AT LEAST 1 M FROM DEGAUSSER BEFORE STARTING THE DEGAUSSING OF STORAGE MEDIA.  
LEAVING THE CONNECTED CABLE MAY DAMAGE THE COMPUTER.**

---

3. Close the drawer (3) after placing a storage medium for degaussing in the drawer.
4. Approx. 30 s loading cycle starts after closing the drawer. The cycle progress is shown on the LCD.
5. Degaussing begins after the completion of loading cycle. A message about successful or failed degaussing cycle is shown on the LCD.
6. Opening the drawer and removing the medium is the end of the cycle.
7. Placing another storage medium inside and closing the drawer starts a new cycle.

**NOTE** Opening the drawer during the cycle interrupts it and the user is informed about it with a message on the display.

Press the power button after the completion of the cycle to turn off the device correctly (with the drawer still closed/open) or during 3 seconds after closing the drawer (before starting next degaussing cycle).

**NOTE** The PPMS technology (programming the degausser to a selected number of erase cycles) may result in an automatic lock of the device. The lock will be activated after degaussing the predefined number of storage media. To unlock the device and continue operation, contact manufacturer or distributor.

### Degaussing instructions for DLT media

ASM120 lets the user erase DLT storage media in plastic protective cartridges.

**Note DLT cartridges can be reused after degaussing!**

Despite the complete degaussing of the medium after the first cycle, it is recommended to turn the cassette by 90° and degauss it again to "smooth" the remains of any magnetic fluxes.

## Using ASM120 degausser with a PC

The device is adapted for use with a PC with software to enable configuration and checking degausser operating parameters.

ASM120 has a RJ45 Ethernet port hidden in the rear panel of housing. The RESET button is located next to the port used for changing the settings of network address to a standard address in case of loss of device's network address settings.

To change network address to standard address, press and hold RESET for approx. 5 s after turning the device on with the main power switch. Change of the network address to default value is shown with applicable message on the display.

**Communication between computer and the device is possible only directly after turning on the device with main switch before the first change of the position of the drawer. Communication with PC is locked after changing the position of the drawer.**

**NOTE Detailed description of work of ASM 120 with PC and information on the use of PPMS are given in a separate manual.**

## Warranty conditions

**These warranty conditions apply as additional conditions and in no way limit the purchaser's rights under legal regulations.**

DISKUS Polska Sp. z o.o. located at ul. Fabryczna 20A, 31-553 Kraków, hereinafter referred to as the "Manufacturer" guarantee correct operation of the device hereinafter referred to as the "Product" per the technical and operational conditions described in the instruction manual. The details of the product purchaser hereinafter referred to as the Purchaser are described in the warranty card. The warranty is valid and applicable on the territory of Poland.

Make sure that the serial number of the Product matches serial number stated in the Warranty Card.

1. To take advantage of rights of this warranty, the Purchaser must show all of the listed documents:
  - correctly completed warranty card (serial number, model, date of purchase, Seller's stamp, Purchaser's signature),
  - valid proof of purchase of the Product.
2. The warranty includes provision of free spare parts and workmanship per the conditions stated for 2 years from the date of purchase of the Product.

**NOTE** The manufacturer recommends carrying out a technical survey of the device after completion of 5000 erasing cycles. Ignoring these recommendations voids the warranty.

**NOTE** Exceeding 60 000 completed erasing cycles results in the loss of warranty due to the end of life of condensers.

3. Failures in the Product discovered during the warranty period will be repaired in the shortest possible time. The warranty period is extended by the repair period.
4. The Purchaser has the right for a replacement Product with a new one if it is impossible to repair the failure.
5. In special cases (e.g. the Product is no longer included in the trade offer), replacement of the Product with the same one is impossible. The Manufacturer replaces the product with a product with matching technical parameters during the period agreed upon with the Purchaser, not longer than 30 days from the beginning of the situation described in section 4.
6. Products with mechanical or electrical damages resulting from causes not on the part of the Manufacturer are exempt from warranty, in particular:
  - Products with transport and handling damages,
  - Damages resulting from misuse of Product, i.e. the use without observing instruction manual or safety regulations,
  - Products damaged in fire, flood, strike of lightning or another natural disasters, unforeseen accidents, flooding with liquids, power and/or telecommunications network over voltages or connection to power network in a way not compliant with instruction manual.
  - Products with modifications by unauthorized persons (incl. removal of housing), changes or repairs resulting in damage of warranty seal.
  - Products with any modifications in Warranty Card or serial numbers, incl. changes, blurring or rubbed.
7. The Manufacturer and distributors are not responsible for the regulations of this agreement (warranty conditions), if the required repairs cannot be completed due to import/export restrictions on spare parts or other legal regulations and unforeseen circumstances making it impossible to perform the repair or due to negative effects of force majeure.

8. The Manufacturer and Manufacturer's distributors are not responsible for the loss of income or any other losses resulting from the use of the device, in particular the loss of data as the result of operation of the Product.
9. The Purchaser incurs the costs of unjustified servicing of the device.
10. Any conflicts pertaining to the warranty rights will be settled by a Court of proper jurisdiction for the Manufacturer's location.

The warranty granted for the sold Product does not invalidate, restrict or suspend the rights of the buyer implied by non-conformity of the product to the contract.



**HOTLINE: 801 090 911**



## **MANUFACTURER'S ADDRESS AND CONTACT DETAILS:**

---

### **DISKUS Polska Sp. z o.o.**

ul. Fabryczna 20A, 31-533 Kraków

Phone: +48 12 379 30 30

e-mail: [info@prodevice.eu](mailto:info@prodevice.eu)

Servicing: [serwis@prodevice.eu](mailto:serwis@prodevice.eu)

If you have an improvement idea or suggestion, write to [info@prodevice.eu](mailto:info@prodevice.eu)

**[www.prodevice.eu](http://www.prodevice.eu)**