

# HERMA 500

## Datasheet

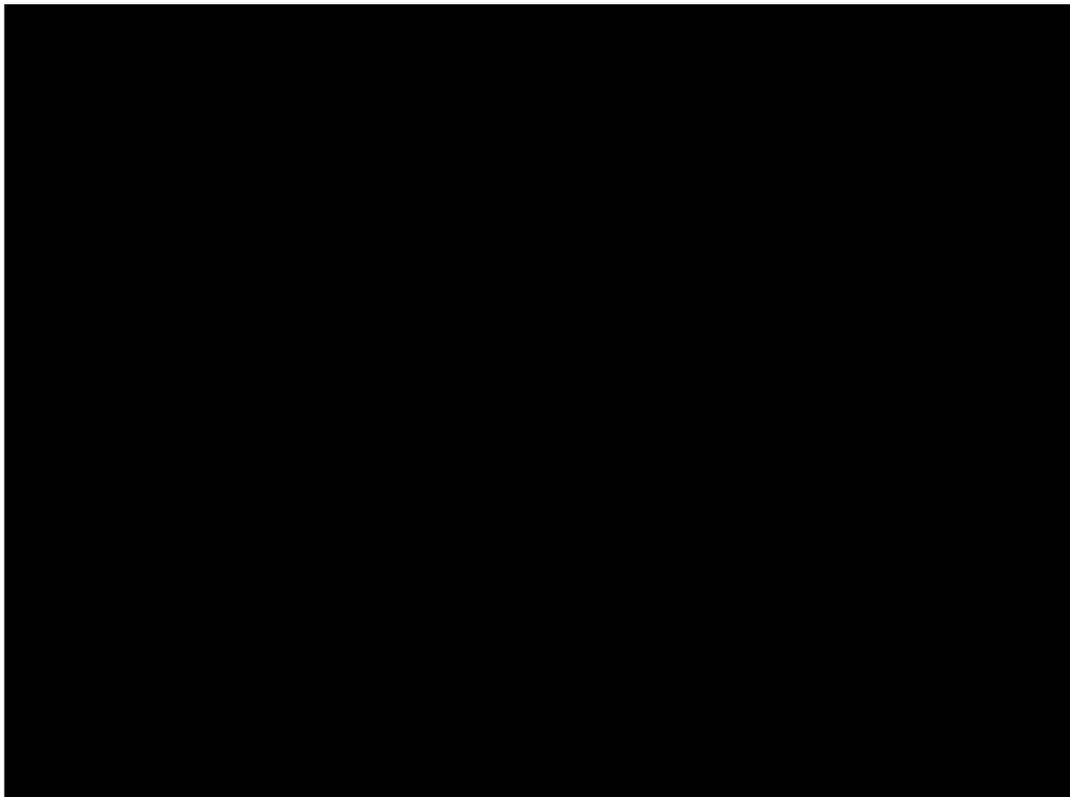
- **Leading performance. Smartly connected**
- **Next generation of labeling**
- **Easy handling**
- **Versatile integration**
- **HERMA quality "Made in Germany"**



29.08.2023

Thank you for your interest in our labeler HERMA 500.  
Attached you will find the data sheet for your individually configured product.

## HERMA 500



## 1. Label specification

Label width:	5 – 240 mm
Label length:	5 – 800 mm • 0.2 – 31.5"
Gap between labels:	2 – 3 mm • 5/64 – 1/8"
Label thickness:	40 µm – 2 mm • 1/512 – 5/64"
Label weight:	30 – 2,000 g/m <sup>2</sup> • 2.8 – 185 g/ft <sup>2</sup>
Backing paper width:	12 – 244 mm
Backing paper thickness:	23 – 120 µm • 1/1024 – 5/1024"
Backing paper specifications:	Without die-cuts in the surface and sufficiently tear-resistant
Packing:	Winding outside or inside
Storage:	Lying rolls, not exposed to sun or heat Temperature: 22 ± 2° C • 72 ± 3° F Relative humidity: 45 ± 5% The use-by date of the labels from the label supplier has to be maintained

## 2. HERMA 500

### 2.1 Design

Orientation:	Right hand
Mounting position:	Horizontal
Mounting angle:	0°

### 2.2 Base unit HERMA 500

Maximum labeling speed:	50 m/min • 164 ft/min
Stopping accuracy:	± 0,1 mm per 10 m/min labling speed ± 1/56" per 32.8 ft/min labeling speed
Web tracking accuracy:	± 0,2 mm cross to running direction of backing paper ± 1/128" cross to running direction of backing paper
Type:	HERMA 500
Connections:	Power In Ethernet TCP/IP Peel plate Printer Label sensor I/O interface Master encoder CAN bus Start signal Power Out
Unwinder check units:	Without
Rewinder check units:	Without
Functions:	Parameter setting via touchscreen Speed setting via defined value Speed setting via analog input Variable settings for start signal Multi labeling Variable settings for stop signal Bypassing of missing labels on backing paper Printer control

	Format management
	Batch counter
	Remote access via web browser
OPC UA server:	No
Modbus TCP:	No
Display:	Active
UL and CSA certification:	No

### 2.3 Connection cable

Power cable length:	5 m • 16 ft
Power plug:	CEE 7/7 – EU
Ethernet TCP/IP connection	Without
I/O interface connection cable:	Without
Printer connection cable:	Without
Peel system connection cable:	Without

## 3. Winder

### 3.1 Unwinder

Unwinder type:	Without
Options:	
Connections:	

### 3.2 Unwinder 2

Unwinder 2:	Without
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### 3.3 Loop unit

Loop unit type:	Without
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### 3.4 Rewinder

Rewinder type:	Mechanical
Wrap diameter:	210 mm • 8.3"
Options:	
Connections:	

### 3.5 Assembling

Component mount:	Without
Winder assembly:	At base unit HERMA 500

### 3.6 Power supply winder

### 3.7 Plug connection unwinder

### 3.8 Plug connection unwinder 2

### 3.9 Plug connection loop unit

### 3.10 Plug connection rewinder

## 4. Peel systems

### 4.1 Peel plate holder

Clear span carrier system:	Without
Attachment angle:	Without

### 4.2 Label sensor

Position:	Clear span carrier system
Sensor type:	Without

### 4.3 Peel plate

Peel plate:	Without
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## 5. Accessories

### 5.1 Start signal sensor

Sensor type:	Without
Sensor cable:	3 m • 9 ft

### 5.2 XC Cooling

### 5.3 Master encoder

Master encoder set:

## 5.4 Signal column

Signal column: Without

## 5.5 User manual printed

Language: Multi-language  
Quantity:

# 6. Pedestal and mounting device

## 6.1 Mounting device

Cross adjustment: Without  
Angle adjustment: Without

## 6.2 Pedestal

Pedestal: Without

# 7. Technical specifications

## 7.1 Operation

- Operation via pictograms on 4,3 inch color touchscreen
- Operation without and with gloves possible
- Hardware button for manual label feed
- Fast access to: 4 parameters, Menu, User administration, Search, Operation on / off, Messages
- Selection of language
- Main switch for complete power disconnection

## 7.2 Display

- Rotatable in 90° steps
- Display of configurable main parameter with value, measuring unit and pictogram
- Display of status: Ready, Warning, Error in different colors
- Display of operating indications for messages and parameters
- Display of web path drawing
- Display of operating manual

## 7.3 Service functions

- Functional upgrade via code activation
- Firmware update via Ethernet TCP/IP

## 7.4 Operating data

Power supply:	100 – 240 V AC, 400 W, 50 – 60 Hz
Pneumatic:	6bar (only needed with peel plate pivot pneumatic)
Operating temperature:	0 – 40° C • 32 – 104° F
Storage and transport temperature:	-20 – 80° C • -4 – 176° F
Max. permissible relative humidity:	35 – 85% non-condensing
Max. permitted installation altitude for nominal data:	2.500 m above sea level • 8.200 ft above sea level
Protection type:	IP66

## 7.5 General information about the applicator

Drive technology:	AC servomotor
Control technology:	Fully integrated in HERMA 500
Materials:	Anodised aluminum, stainless steel V2A, plastic
Weight:	Depending on configuration, see delivery note

## 7.6 CE conformity

According to Machinery Directive 2006/42 / EC, annex II A

We would hereby like to inform you that the contents and configuration of the labeller are the responsibility of the partner who filled out the form. Once submitted, this information can no longer be changed by us and is the contractual basis. Please ensure that any existing or previously saved configurations that were created by the user are always recreated using the latest version of the configuration program which can be found on our homepage.