

HERMA 500

Datasheet

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



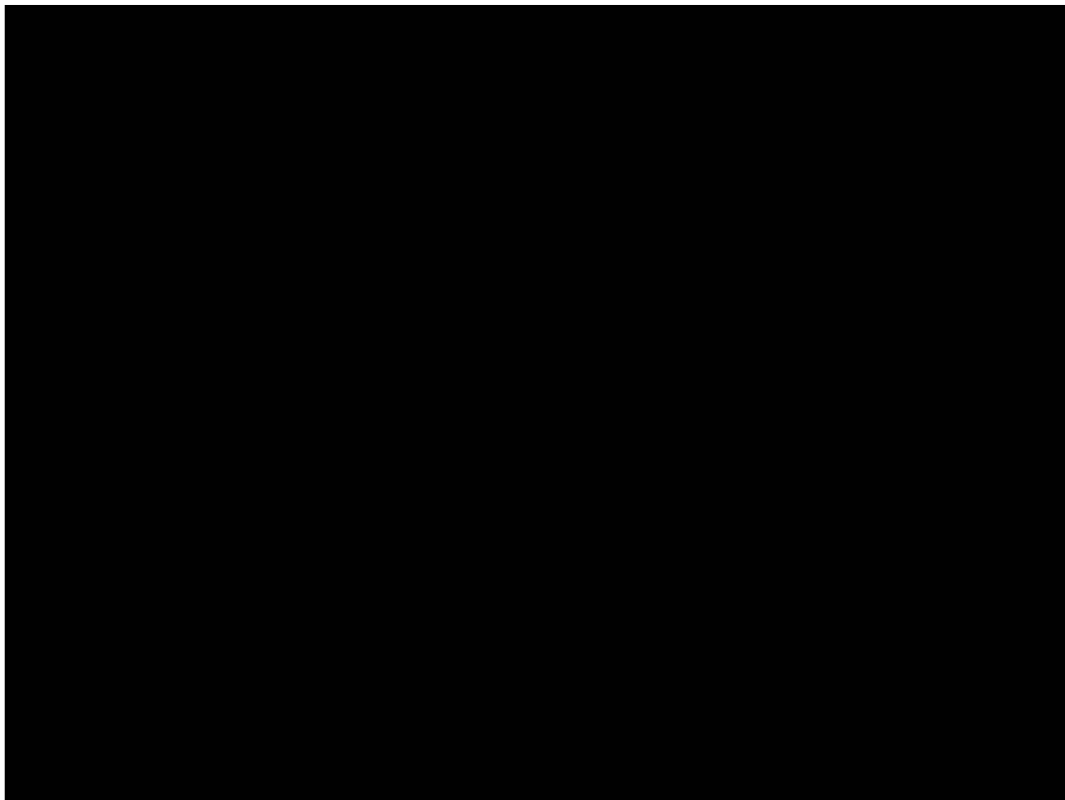
HERMA 500
Offer 90337303
Item 10



26.07.2023

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 – 160 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 ² • 2.8 – 185 g/ft ² |
| Backing paper width: | 12 – 164 mm |
| Backing paper thickness: | 23 – 120 µm • 1/1024 – 5/1024" |
| Backing paper specifications: | Without die-cuts in the surface and sufficiently tear-resistant |
| Core diameter: | 76 mm • 3.0" |
| Roll diameter: | 300 mm • 11.8" |
| 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: | 30 m/min • 98 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 |
| 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: | Mechanical |
| Options: | |
| Connections: | |
| Low label and end reel check: | Without |

3.2 Unwinder 2

| | |
|-------------|---------|
| Unwinder 2: | Without |
|-------------|---------|

3.3 Loop unit

| | |
|-----------------|---------|
| Loop unit type: | Without |
|-----------------|---------|

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: | 300 mm • 11.8" |
| Attachment angle: | 0° |
| Quick change unit: | Without |

4.2 Label sensor

| | |
|--------------|---------------------------|
| Position: | Clear span carrier system |
| Sensor type: | FS03 for paper labels |
| Holder: | Fine adjustable |

4.3 Peel plate

| | |
|-------------|----------------|
| Peel plate: | Peel plate 160 |
|-------------|----------------|

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