

Alpha Compact Plus

Data sheet - Label dispenser



Easy efficient labelling

The new alpha Compact label dispenser now sports a new design with increased performance and higher application rates and is even easier to operate than its tried and tested predecessors. As always, the system can attach preprinted labels quickly and accurately to products and packaging in connection with various applicator units. A particularly powerful servomotor offers superior labelling accuracy. Using a conventional PC with ethernet interface, different labelling parameters as well as functions like start and stop, single label feed, speed control and sensor calibration can now be entered and stored in the alpha Compact Plus. It is now very easy to secure data and information and transfer dispenser parameters to other alpha Compact Plus systems. Switching between labelling jobs can therefore be done automatically using the system control unit.

Stored parameters and jobs can be called up from extensive internal data storage and can also be edited and used for different labelling jobs.

The menu navigation is particularly simple for the operator, with small pictograms for example for support with handling.

Technical Specifications:

Label format (W x h)

Maximum 250 x 300 mm.
Minimum 10 x 10 mm.

Label gap

Minimum 3 mm.

Label roll

Maximum 300 mm outer diameter.
Maximum 450 m roll length.
On 76 mm (3") roll core.

Application rate

Up to 1100 labels per minute
(depending on label size).

Maximum dispensing speed

up to 100 m per minute
(depending on label size and application rate).

Dispensing accuracy

+/- 0.3 mm
(based on the repeat accuracy at the dispensing edge).

Label winding

additional drive for winding up the label substrate.

Label calibration

- Calibration by pressing a button.
- Automatic detection of missing labels.
- Speed adjustment during ongoing operation.

Connections

- Ethernet: connecting the system to PC, reading and writing parameters, reading out status message and error strings.
- Industry standard M12: product sensor, label sensor, roll end warning, alarm light.

Display

- Access to all adjustment parameters.
- Ability to set precise values.
- Error reporting.
- Multilingual user interface.

Voltage supply

85 – 264 VaC, 47 – 63 hz

Power consumption

300 W

Dimensions (h x W x D)

710 x 600 x 330 mm

Weight

from 22 kg
(depending on the version, without label roll).

Environmental conditions

- Temperature: 10°C to 38°C
- 20% to 90% relative humidity, non-condensing.

Protection class

IP 40

Approval

CE mark.

Technical changes reserved at all times.

Special Features:

- Variable rotary shaft encoder control up to 100 m/min.
- Peak output of up to 1100 per minute.
- Position accuracy up to +/- 0.3 mm.
- Driven by servomotor.
- Integrated zero downtime function when using a redundant system.
- System can be configured to existing production.
- Shortest set-up times when changing label format.
- Ethernet port (M12 industrial connector) allows upload and download from dispenser set-up.
- Automatic detection of missing labels (skip function).
- Precise path-dependent positioning of the labels.
- Dispenser control system integrated in housing.

