

DATA SHEET

Label dispenser

Alpha Compact Plus



## Alpha Compact Plus

### 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.

### 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

## Technical data

**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.

