

EMZ02

microprocessor control



Zator
gluing solutions

DATASHEET





TECHNICAL DESCRIPTION



EMZ02 is a new generation microprocessor control developed to optimally manage different types of valve control applications.

Building on the feedback received on its predecessor, the LMZ02, features and performance have been enhanced.

The controller can store up to 100 different glue programs and can manage up to two independent valves (channels), each of which can perform four or eight different glue patterns, either in lines or dots.

EMZ02 provides the ability to manage the signal to control both original Zator valves and generic cold and/or hot-melt valves. In addition, it features a dedicated analog output that, when connected to a proportional valve, allows for precise modulation of the fluid output pressure based on process speed.

The control can be used with two dispensing modes:

- Encoder mode : programming in mm or inches
- Timer mode : Time-based programming (ms)

APPLICATION FIELDS

| packaging
| paper converting
| case maker
| wood industry
| device controlling

WORKING MODELS

| encoder
| timer

PROGRAMMABLE VERSIONS

| packaging/single piece
| collator/format mode
| continuous line
| self learning



TECHNICAL DATA

power supply

Supply voltage	Single phase 110 - 220Vac $\pm 10\%$
Frequency	50/60 Hz
Connected output	250 W

input

Start sensors	2
Encoder	1
Reset	1
Glue level	1 (opt)
Voltage	+24 Vdc
Type	pnp

output

Glue valves (channels)	2
Voltage	+ 24/48 Vdc
Max power for each channel	25 W
Proportional valve	1
Type	0÷20 mA/0-10 V
Output	Glue level (opt)
Switching voltage	24 Vdc
Max current	0,5 A

machine features

Max machine speed	700 m/min
Application accuracy	± 1 mm
Max glue pattern programs stored	100



operating conditions

Temperature	0÷50°C
Relative humidity	20÷60%

weight

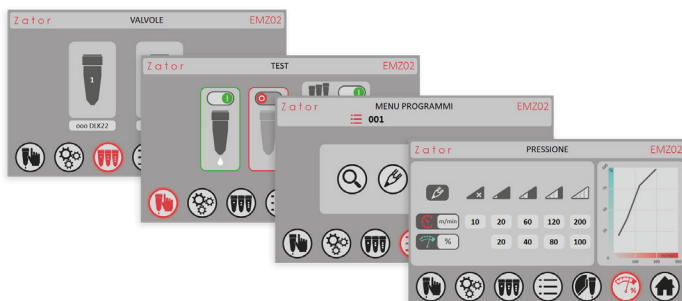
5,2 kg

display

Dimension	7" TFT
Resolution	800 x 480 pixels
Brightness	400 cd/m ²
Contrast	800:1
Touch type	4 wires resistive
Power consumption	820 mA @ 24V
Frontal protection	IP 66



FEATURES

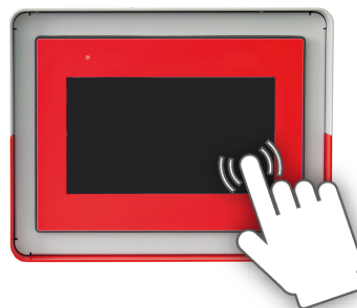


more simple.
more intuitive.

The intuitive graphical interface facilitates quick and easy learning of the tool's basic functions.

touch screen panel

Using the tool has never been easier: no other devices are needed, just interact with the touch screen.



3D view programming menu

EMZ02 allows you to monitor all the parameters of the glue lines, providing you with a complete overview of the bonding process, thus preventing errors during programming.



multi-languages text

You can choose from 14 different languages for the programming interface, adapting it to your preferences.



MODELS

code	description
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- | | |
|-------|--|
| EMZ02 | <ul style="list-style-type: none">• Programmable configuration in packaging/collator/continuous line/self learning version• 100 programs stored• Application precision ± 1 mm @ 700 m/min• Working models: encoder or timer mode• 7" Touch screen panel TFT- 800X480• Power supply 110-220 Volt, 50 Hz• Software included |
|-------|--|

Inputs:

- 2 photocells, 1 encoder
- 1 glue reset, 1 glue level sensor (opt)

Outputs:

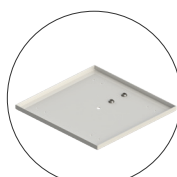
- 2 independent channels (valve)
- 1 proportional valve control (0-20 mA/0-10 V)
- 1 level glue output (opt)



available optionals

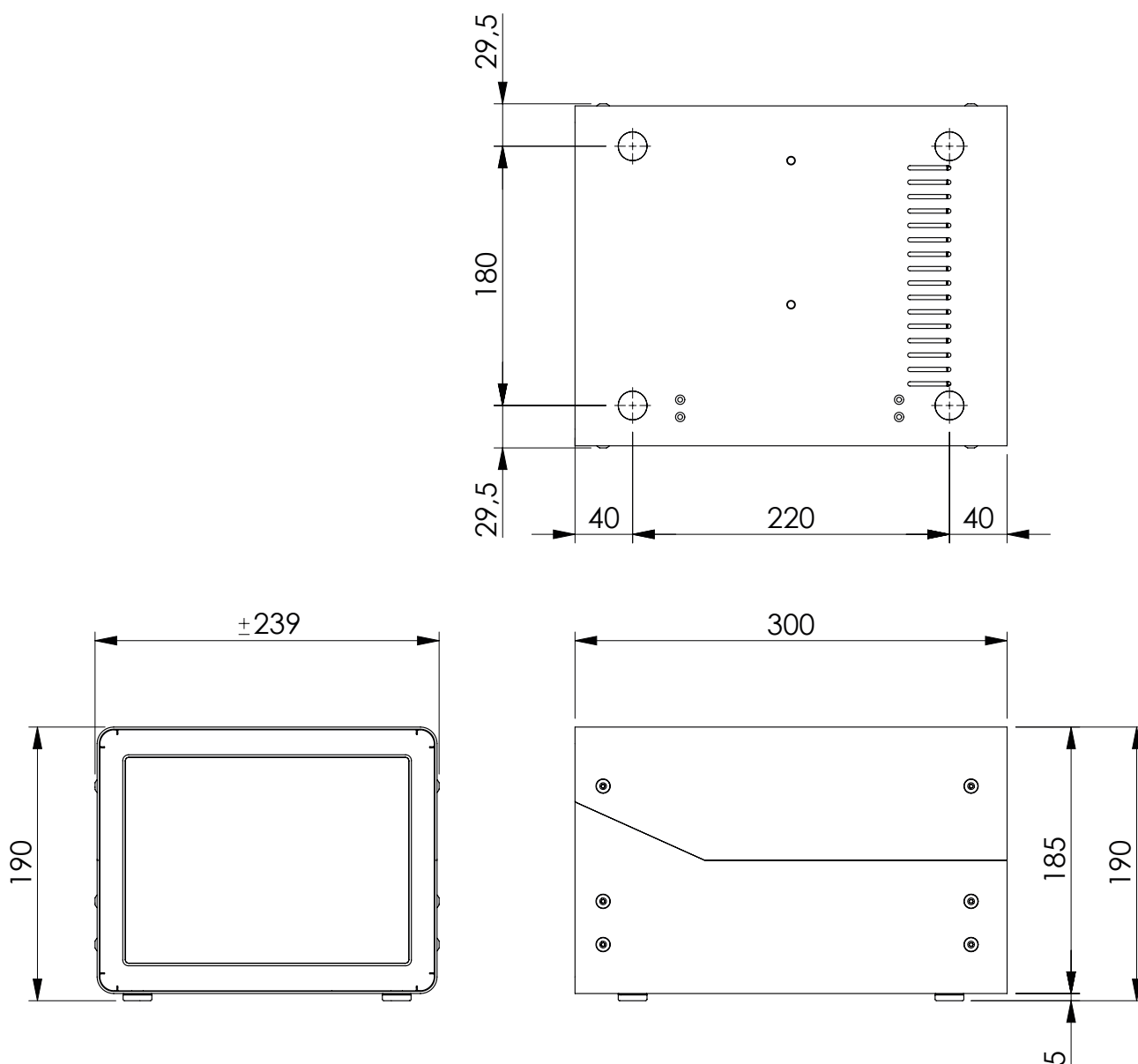
code	description
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- | | |
|-----------|---|
| KCN001720 | EMZ02 standard kit connectors |
| KCN001721 | EMZ02 standard kit connectors with optional connector |

*Stand**Tray*



DIMENSIONS



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Datasheet
EMZ02_v01

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