



Product data sheet Z1

Main features

- High resolution printing up to 12,5 mm on primary and secondary packaging at high speed
- Simple and compact design for easy integration on all production lines
- Remote control through intuitive SoftwareZ1 Remote Manager
- Wide range of inks for coding on porous and non porous surfaces
- Start up with one click and very easy to use Clean production and no maintenance required

Printhead

- Stainless steel structure
- IP40 protection class
- Thermal ink jet technology for industrial use
- Integrated sensor for product detection
- Horizontal resolution up to 900 Dpi
- Vertical resolution 600 Dpi
- Field orientation: sideways (0° and 90°), downwards and upwards
- High contrast pigmented inks
- Rapid dry and high adhesion inks for non porous surfaces
- Dimensions printhead: 97 mm x 82 mm x 122 mm (3,8" x 3,2" x 4,8")
- Weight: 570 g

Printing characteristics

- Print height from 1 to 12,5 mm (0,04" - 0,5")
- Line speed capability: up to 90 mt/min* (295 ft/min) * Pro Version
- Available fonts: Windows True Type
- High quality graphic images printing
- Internal storage up to 9 messages
- Automatic date, time, off sets and expiry date multifunctions
- Incrementing/decreasing alphanumeric product counters up to 8 digits
- Repeat print - message function
- Field orientation: 0°, 90°, 180°, 270°
- Fixed and variable text field types and barcodes (automatic or external)
- Coding throw distance up to 9 mm (0,35")

Barcodes (linear and 2D)* * Pro Version

- EAN 8, EAN 13, EAN 128, Code 2/5, Code 2/5 check, Code 39, Code 39 check, Code 128, DUN14, GS1 Databar, Datamatrix,

MSM Markier-Sensor-Systeme GmbH

Benzstr. 1

79341 Kenzingen GERMANY

Seite: 1

Telefon +49 7644 9231 0

Telefax +49 7644 9231 199

E-Mail info@msm-technik.de



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GS1 Datamatrix, QR-Code, GS1, Databar

General features

- Intuitive message creation with Z1 Remote Manager software
- Data transfer using USB key
- Simplified images and texts formatting with Stretch and Drag&Drop function
- Print parameters stored within each message
- Multi printhead management through Z1 Remote Manager software
- Communication to managements programs and software
- User interface and character sets with foreign languages and alphabets (European languages, Japanese, Arabic, Chinese, Cyrillic)
- Auto real-time printing consumption calculation

External connections

- Scanner connection for printed barcode validation
- Ethernet interface for LAN connection 10/100/1000 Mbit
- External sensor management for product detection
- Parallel interface BCD
- Shaft encoder input for variable speed production lines
- External alarm output with traffic light column
- Z1 Remote Manager software for total remote PC management
- N°1 USB port version 2.0
- N°1 Serial port RS232

Environment / Electrical requirements

- Humidity: 10 - 90% (non-condensing)
- Single Phase, 100-240 Vac, 50-60 Hz, 12 VA



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Print Sample*

EXP 9-30-2019
LOT A62835T

Lot. Nr.: 107310
Active ingredient: Paracetamol
Identify Nr.: 6218215.01.00



Compliments de ID. S.
MEILLEUR AVANT
BEST BEFORE 7 OCTOBRE, 2018



(01)07612345678900
(17)130107
(10)12345678A

Lot.Nr.: 093303
Active ingredient: Aceclofenac
Identify Nr.: 6460123.01.00
Keep away from children

* The resolution of the print samples on this document is less than the real resolution on the product due to the scanning of the prints.



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CONSUMPTION CALCULATOR*

Print sample	DPI	Print/Cartridge
EXP 9-30-2019 LOT A62835T	600	111.000
EXP 9-30-2019 LOT A62835T	500	133.000
EXP 9-30-2019 LOT A62835T	400	166.000
EXP 9-30-2019 LOT A62835T	300	221.000
EXP 9-30-2019 LOT A62835T	250	266.000
EXP 9-30-2019 LOT A62835T	220	302.000

Z1 is the new High Definition system. This is the first TIJ model in MSM product portfolio, added with the aim to extend the opportunities given to the customers.

This model, able to print with very high resolution (up to 900 horizontal dpi and up to 600 vertical dpi) on different surfaces is the suitable solution in many applications. With a vertical printing area up to 12,5 mm the Zanasi Z1 can print alphanumeric texts, logos or barcodes.

Print sample	DPI	Print/Cartridge
Lot. Nr.: 107310 Active ingredient: Paracetamol Identify Nr.: 6218215.01.00	600	109.000
Lot. Nr.: 107310 Active ingredient: Paracetamol Identify Nr.: 6218215.01.00	500	130.000
Lot. Nr.: 107310 Active ingredient: Paracetamol Identify Nr.: 6218215.01.00	400	163.000
Lot. Nr.: 107310 Active ingredient: Paracetamol Identify Nr.: 6218215.01.00	300	217.000
Lot. Nr.: 107310 Active ingredient: Paracetamol Identify Nr.: 6218215.01.00	250	261.000
Lot. Nr.: 107310 Active ingredient: Paracetamol Identify Nr.: 6218215.01.00	220	296.000

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SPEED CHART*

Horizontal DPI	Vertical DPI	Print Sample	Speed m/min
200	300/600	EXP 9-30-2015 LOT A62835T	135
240	300/600	EXP 9-30-2015 LOT A62835T	112
300	300/600	EXP 9-30-2015 LOT A62835T	90
360	300/600	EXP 9-30-2015 LOT A62835T	75
400	300/600	EXP 9-30-2015 LOT A62835T	67
480	300/600	EXP 9-30-2015 LOT A62835T	56
600	300/600	EXP 9-30-2015 LOT A62835T	45

Message Editor of Z1 software allows the customer to know exactly how many prints per cartridge is it possible to make with the message created for each type of ink.

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