

Technical Data

Numeric Large Format Displays

migan

Numeric	migan FI	migan SI	migan AD	migan IZ	migan BCD
Short description	with field bus interface	with serial interface	with A-D converter	with pulse counter	with BCD control
Display type	7 segment LED	7 segment LED	7 segment LED	7 segment LED	7 segment LED
Character height	60, 100, 150, 200, 250 mm	60, 100, 150, 200, 250 mm	60, 100, 150, 200, 250 mm	60, 100, 150, 200, 250 mm	60, 100, 150, 200, 250 mm
Characters per line	1 to 15 digits	1 to 15 digits	1 to 4 1/2 and minus sign	1 to n digits	1 to n digits
Lines	one or more lines	one or more lines	one or more lines	one or more lines	one or more lines
Display colour	red	red	red	red	red
Operating voltage	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %
View	single to four sided	single to four sided	single to four sided	single to four sided	single to four sided
Interfaces	serial bus compatible as alternative: Profibus, InterBus, CAN, ARCNET, ASI or Ethernet	serial bus compatible RS 485, RS 323, TTY	0 to ±5 VDC or 0 to ±10 VDC (Δ) to ±20 mA	pulse inputs, reset / pre-set inputs, pre-selection inputs (optional), pulse rep. frequency to 15 kHz, input level: U _{in} = 19 to 28 VDC U _{in} = 0 to 4 VDC	multiplex BCD or parallel BCD
Labelling	upon request	upon request	upon request	upon request	upon request
Housing	powder coated aluminium, RAL 7016 (anthracite)	powder coated aluminium, RAL 7016 (anthracite)	powder coated aluminium, RAL 7016 (anthracite)	powder coated aluminium, RAL 7016 (anthracite)	powder coated aluminium, RAL 7016 (anthracite)
Protection	IP54 or IP65	IP54 or IP65	IP54 or IP65	IP54 or IP65	IP54 or IP65

NUMERIC & GRAPHICS COMPATIBLE

Large Format Displays

migra - migan

Graphics Compatible Large Format Displays

migra

Graphics Compatible	migra SC/MC 3	migra SC/MC 5	migra SI	migra SC 5
Short description	graphics and text compatible large format LED display	graphics and text compatible large format LED display	LED information display with serial interface	graphics and text compatible large format LED display for outdoor application
Display type	LED dot matrix	LED dot matrix	LED dot matrix	LED dot matrix
Pixel size	3 mm	5 mm	2 mm	5 mm
Character height	30, 40, 55 mm	50, 75, 100 mm	25 mm	50, 75, 100 mm
Characters per line	30 mm: max. 40 digits 40 mm: max. 36 digits 55 mm: max. 20 digits	50 mm: max. 40 digits 75 mm: max. 36 digits 100 mm: max. 20 digits	25 to 100 digits	50 mm: max. 40 digits 75 mm: max. 36 digits 100 mm: max. 20 digits
Lines	30 mm: max. 8 lines 40 mm: max. 6 lines 55 mm: max. 4 lines	50 mm: max. 8 lines 75 mm: max. 6 lines 100 mm: max. 4 lines	4 to 24 lines	50 mm: max. 8 lines 75 mm: max. 6 lines 100 mm: max. 4 lines
Display colour	single colour (SC) or multicolour: red, green and yellow (MC)	single colour (SC) or multicolour: red, green and yellow (MC)	single colour green	single colour red (SC)
Operating voltage	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %	230 V/50 Hz, 110 V/60 Hz or 24 VDC ±20 %
View	single or double sided	single or double sided	single sided	single or double sided
Data input	either: serial interfaces, binary input, impulse input, Profibus, CAN, ASI, ARCNET, Ethernet, InterBus	either: serial interfaces, binary input, impulse input, Profibus, CAN, ASI, ARCNET, Ethernet, InterBus	serial bus compatible RS 485, RS 232, Profibus, InterBus, Ethernet	either: serial interfaces, binary input, impulse input, Profibus, CAN, ASI, ARCNET, Ethernet, InterBus
Housing	powder coated aluminium, RAL 7016 (anthracite)	powder coated aluminium, RAL 7016 (anthracite)	powder coated aluminium, RAL 7016 (anthracite)	powder coated aluminium, RAL 7016 (anthracite)
Protection	IP54 or IP65	IP54 or IP65	IP54 or IP65	IP54 or IP65



- Audi
- BBS
- BHS
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- Coca Cola
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- Eisenmann
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- Goodyear
- Grammer



For continuous industrial use in production systems, machinery and assembly lines.



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microSYST
Large Format Display Technology

Systems with new levels of quality.
Individual visualisation concepts
for industrial applications.

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Everything at a single glance. Variable, custom tailored solutions for maximised efficiency and flexibility.

Your Advantage - Well Equipped for Effective Use.

Whether for machinery or equipment, the efficient microSYST large format displays for universal use allow for very short reaction times and a safe operation. Large format displays from microSYST are always the best choice wherever reliable representation of system and machine data, production lines, increased availability and productivity are required.

Quality relevant workflows and events can be displayed continuously and, in this way, can be influenced without any problems. With customer-specific products we focus on solutions which meet your requirements for all intents and purposes.



More and more companies change their information structures for the dynamically increasing need for information in nearly all areas of economy and industrial production. For this purpose, we have developed our all purpose graphics and text compatible numeric large format displays. The devices' modular design make it possible for us to produce cost-effective variants in a variety of sizes, which are matched to the respective requirements of a broad range of industrial sectors.

- Employee information
- Process data
- Diagrams
- Measurement values

- Logistics information
- Material flows
- Quality data
- Orientation schemes
- Event messages

Thanks to the high resolution LED dot matrix displays, characters, as well as graphics, are crystal clear. Especially important information can be colour-highlighted with the multicolour modul (MC). In addition to various fonts, the range of functions also includes variables display, text memory, bargraph function, moving text, scrolling, blinking, brightness control and much more. The display of HTML pages and the data transmission, for example per FTP via Ethernet, is also possible.



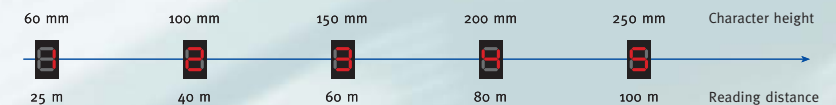
Links, as for example Profibus-DP, InterBus, ARCNET, Ethernet, CAN belong to our standard interfaces. With the integrated DVI (Digital Video Interface), the displays are suitable for the direct connection to the graphic card of a PC. Needless to say, further links can be realized. Projects, graphics or texts can be loaded to the display via the second interface. As an option, inputs for analog control, counter functions and BCD control are available. Furthermore, our highly advanced modular housing system allows for the realization of double sided displays in the same housing.



Recommended character height migra/alphanumeric



Recommended character height migan/numeric



Display and operation control electronics, interface technology and PC applications - these main instruments regarding automatic control engineering as well as for system solutions will play a more and more important role in the future.

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