



Product Overview

Graphics and Text Compatible Large Format Displays for Indoor and Outdoor Application

Type	migra SC/MC 3 Graphics and Text Compatible Large Format LED Display for Indoor Application	migra SC/MC 5 Graphics and Text Compatible Large Format LED Display for Indoor Application	migra SI LED Information Display with Serial Interface for Indoor Application	migra SC/MC 5 AW Graphics and Text Compatible Large Format LED Display for Outdoor Application	migra SC/MC 180 / 250 AW Graphics and Text Compatible Large Format LED Display for Outdoor Application
General Specification					
Display type	LED dot matrix display	LED dot matrix display	LED dot matrix display	LED dot matrix display	LED dot matrix display
Pixel size	3 mm	5 mm	2 mm	5 mm	180 AW: 5,2 x 3,8 mm (oval) 250 AW: 5 mm (round)
Pitch	4 mm	7,62 mm	2,54 mm	7,62 mm	180 AW: 12 mm; 250 AW: 16 mm
Angle of radiation	±75°	±75°	±75°	100°/50° (horizontal/vertical)	180 AW: 110°/50° (horizontal/vertical) 250 AW: ±15° (horizontal/vertical)
Resolution	64 x 16 pixels per module	64 x 16 pixels per module	161 x 10 pixels per line	64 x 16 pixels per module	180 AW: up to 256 x 16 pixels 250 AW: up to 160 x 32 pixels (larger variants on request)
Character height	30 mm, 40 mm, 55 mm and larger	50 mm, 75 mm, 100 mm and larger	25 mm	50 mm, 75 mm, 100 mm and larger	180 AW: 75 mm, 110 mm, 160 mm, 180 mm 250 AW: 100 mm, 150 mm, 210 mm, 250 mm
Digits per line	30 mm: max. 42 digits 40 mm: max. 36 digits 55 mm: max. 23 digits	50 mm: max. 42 digits 75 mm: max. 36 digits 100 mm: max. 23 digits	25 to 100 digits	50 mm: max. 42 digits 75 mm: max. 36 digits 100 mm: max. 23 digits	
Number of lines	30 mm: max. 24 lines 40 mm: max. 17 lines 55 mm: max. 12 lines	50 mm: max. 24 lines 75 mm: max. 17 lines 100 mm: max. 12 lines	4 to 24 lines	50 mm: max. 24 lines 75 mm: max. 17 lines 100 mm: max. 12 lines	
Character sets	ASCII character set (20H to 7FH), freely definable special characters and graphics	ASCII character set (20H to 7FH), freely definable special characters and graphics	ASCII character set (20H to 7FH)	ASCII character set (20H to 7FH), freely definable special characters and graphics	ASCII character set (20H to 7FH), freely definable special characters and graphics
Graphics	fully graphics compatible	fully graphics compatible	graphics compatible line by line	fully graphics compatible	fully graphics compatible
Display colour	single colour (SC) or multicolour (MC): red, green and yellow	single colour (SC) or multicolour (MC): red, green and yellow	single colour green (SC)	single colour (SC) or multicolour (MC): red, green and yellow	red, green, yellow, white, blue
Brightness control				automatically in 100 levels	automatically in 100 levels
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 or double-sided	single or double-sided	single or double-sided	single or double-sided	single or double-sided
Data input	either: serial interfaces, binary input, impulse input, A-D Converter, Ethernet, MODBUS, CAN, ARCNET	either: serial interfaces, binary input, impulse input, A-D Converter, Ethernet, MODBUS, CAN, ARCNET	RS232, RS485 (bus compatible) Ethernet,	either: serial interfaces, binary input, impulse input, A-D Converter, Ethernet, MODBUS, CAN, ARCNET	either: serial interfaces, binary input, impulse input, A-D Converter, Ethernet, MODBUS, CAN, ARCNET
Download	RS232, RS485, USB or Ethernet	RS232, RS485, USB or Ethernet		RS232, RS485, USB or Ethernet	RS232, RS485, USB or Ethernet
Housing	industrial version, powder coated aluminium	industrial version, powder coated aluminium	industrial version, powder coated aluminium	industrial version, powder coated aluminium	industrial version, powder coated aluminium
Housing colour	RAL 7016 (anthracite)	RAL 7016 (anthracite)	RAL 7016 (anthracite)	RAL 7016 (anthracite)	RAL 7016 (anthracite)
Mounting	articulated arm, angle bracket, hanging with chain or mounting frame	articulated arm, angle bracket, hanging with chain or mounting frame	articulated arm, angle bracket, hanging with chain or mounting frame	articulated arm, angle bracket or mounting frame	articulated arm, angle bracket or mounting frame
Protection	IP54 or IP65	IP54 or IP65	IP54 or IP65	IP65 for outdoor application	IP65 for outdoor application
Operating temperature	0 to +50 °C	0 to +50 °C	0 to +50 °C	-20 to +50 °C	-20 to +50 °C
Storage temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C
Product catalog	page 1	page 5	page 13	page 5	page 9 and 11

