




Product Overview

Graphics/Text Displays





Type	mitex DP / CAN	mitex SI	mitex SI
	Graphics Compatible LCD Info Display with Field Bus Interface	Graphics Compatible LCD Info Display with Serial Interface	Alphanumeric LCD Text Display with Serial Interface
General Specification			
Display type	LCD dot matrix	LCD dot matrix	LCD dot matrix
Resolution	240 x 128 pixels	240 x 128 pixels	100 x 32 pixels
Pixel size	0,47 x 0,47 mm	0,47 x 0,47 mm	0,95 x 1,14 mm
Lines / digits	depends upon the selected character set	depends upon the selected character set	2 lines with 8 digits 2 lines with 16 digits 4 lines with 8 digits 4 lines with 16 digits
Character sets	uploadable character sets	uploadable character sets	uploadable character sets
Graphics	fully graphics compatible	fully graphics compatible	
Display colour	black on white resp. inverse	black on white resp. inverse	black on green resp. inverse
Operating voltage	24 VDC ±20 %, protected against polarity reversal	24 VDC ±20 %, protected against polarity reversal	24 VDC ±20 %, protected against polarity reversal
Power consumption	approx. 250 mA at 24 VDC operating voltage	approx. 250 mA at 24 VDC operating voltage	approx. 200 mA at 24 VDC operating voltage
Interfaces	 RS232, CAN	RS232 oder RS485	RS232, parallel (selectable)
Download	RS232	RS232	RS232
Baud rate	Profibus-DP: 9.6 kBaud bis 12 MBaud CAN: 10 to 1000 kBit/s	1.2 to 115.2 kBaud	1.2 to 9.6 kBaud
Addresses	Profibus-DP: 0 to 126 CAN: 1 to 127	1 to 127	
Housing	DIN panel-mount housing metal with special surface finish	DIN panel-mount housing metal with special surface finish	DIN panel-mount housing metal with special surface finish
Housing dimensions (w x h x d)	192 x 120 x 38 mm	192 x 120 x 38 mm	144 x 72 x 38 mm
Display area (w x h)	123 x 68 mm	123 x 68 mm	104 x 40 mm
Mounting	screw clamps	screw clamps	screw clamps
Protection	front panel IP65	front panel IP65	front panel IP65
Operating temperature	0 to +45 °C	0 to +45 °C	0 to +45 °C
Storage temperature	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
Product catalog	page 46 and 54	page 56	page 58



Product Overview

Graphics/Text Displays



Type	mitex DP <i>Alphanumeric VFC Text Display with Profibus-DP Interface</i>	mitex DP <i>Alphanumeric VFC Text Display with Profibus-DP Interface</i>	mitex SI <i>Alphanumeric VFC Text Display with Serial Interface</i>	mitex SI <i>Alphanumeric VFC Text Display with Serial Interface</i>
General Specification				
Display type	<i>vacuum fluorescent</i>	<i>vacuum fluorescent</i>	<i>vacuum fluorescent</i>	<i>vacuum fluorescent</i>
Character height	<i>10,5 mm</i>	<i>5,05 mm</i>	<i>5,05 mm</i>	<i>5,05 mm</i>
Resolution	<i>5 x 7 pixels</i>	<i>5 x 7 pixels</i>	<i>5 x 7 pixels</i>	<i>5 x 7 pixels</i>
Lines / digits	<i>2 lines with 20 characters each</i>	<i>2 lines with 40 characters each</i>	<i>2 lines with 40 characters each</i>	<i>4 lines with 20 characters each</i>
Display colour	<i>green</i>	<i>green</i>	<i>green</i>	<i>green</i>
Operating voltage	<i>24 VDC ±20 %, protected against polarity reversal</i>	<i>24 VDC ±20 %, protected against polarity reversal</i>	<i>24 VDC ±20 %, protected against polarity reversal</i>	<i>24 VDC ±20 %, protected against polarity reversal</i>
Power consumption	<i>approx. 300 mA at 24 VDC operating voltage</i>	<i>approx. 220 mA at 24 VDC operating voltage</i>	<i>approx. 220 mA at 24 VDC operating voltage</i>	<i>approx. 250 mA at 24 VDC operating voltage</i>
Interfaces	 Download: RS232	 Download: RS232	RS232, TTY, RS485 (bus compatible)	RS232, TTY, RS485 (bus compatible)
Display	<i>ASCII character set + additional characters</i>	<i>ASCII character set + additional characters</i>	<i>ASCII</i>	<i>ASCII</i>
Baud rate	<i>9.6 kBaud to 12 MBaud</i>	<i>9.6 kBaud to 12 MBaud</i>	<i>9.6 to 19.2 kBaud</i>	<i>9.6 to 19.2 kBaud</i>
Addresses	<i>0 to 126</i>	<i>0 to 126</i>	<i>0 to 31</i>	<i>0 to 31</i>
Housing	<i>DIN panel-mount housing, metal with special surface finish</i>	<i>DIN panel-mount housing, metal with special surface finish</i>	<i>DIN panel-mount housing, metal with special surface finish</i>	<i>DIN panel-mount housing, metal with special surface finish</i>
Housing dimensions (w x h x d)	<i>216 x 96 x 42 mm</i>	<i>264 x 48 x 40 mm</i>	<i>264 x 48 x 40 mm</i>	<i>144 x 72 x 43 mm</i>
Display area (w x h)	<i>147 x 29 mm</i>	<i>187 x 15 mm</i>	<i>187 x 15 mm</i>	<i>90 x 35 mm</i>
Mounting	<i>screw clamps</i>	<i>screw clamps</i>	<i>screw clamps</i>	<i>screw clamps</i>
Protection	<i>front panel IP65</i>	<i>front panel IP65</i>	<i>front panel IP65</i>	<i>front panel IP65</i>
Operating temperature	<i>0 to +50 °C</i>	<i>0 to +50 °C</i>	<i>0 to +50 °C</i>	<i>0 to +50 °C</i>
Storage temperature	<i>-25 to +70 °C</i>	<i>-25 to +70 °C</i>	<i>-25 to +70 °C</i>	<i>-25 to +70 °C</i>
Product catalog	<i>page 50</i>	<i>page 52</i>	<i>page 62</i>	<i>page 64</i>



Metrix Electronics Limited




Minchens Court, Minchens Lane, Bramley, RG26 5BH, U.K.
 Tel: +44 (0)845 034 3234, Fax: +44 (0)845 034 3233
 E-mail: sales@metrix-electronics.com, Web: www.metrix-electronics.com



Product Overview

Numeric Panel-Mount Displays



Type	mipan DP / IB <i>Numeric Panel-Mount LED Display with Field Bus Interface</i>	mipan ASi <i>Numeric Panel-Mount LED Display with AS-Interface</i>	mipan SI <i>Numeric Panel-Mount LED Display with Serial Interface</i>	mipan AD <i>Numeric Panel-Mount LED Display with A-D Converter</i>	mitex DP / SI <i>Alphanumeric LED Text Display with Profibus-DP Interface / Serial Interface</i>
General Specification					
Display type	7 segment LED	7 segment LED	7 segment LED	7 segment LED	LED dot matrix
Character height	13 mm	13 mm, 30 mm	13 mm, 20 mm, 30 mm	10 mm, 13 mm, 20 mm	17 mm, 30 mm
Digits	6 digits	4 digits	6 digits at 13 mm and 20 mm 4 digits at 20 mm and 30 mm	3 1/2 digits at 10 mm, 13 mm and 20 mm	mitex DP/SI: 8 digits at 17 mm mitex DP/SI: 8 digits at 30 mm mitex DP: 24 digits at 17 mm
Display colour	red	red	red	red	red
Operating voltage	24 VDC ±20 %	24 VDC ±20 %	24 VDC ±20 %	24 VDC ±20 %	24 VDC ±20 %
Current consumption	Profibus-DP: approx. 75 mA InterBus: approx. 120 mA	13 mm approx. 120 mA 30 mm approx. 160 mA	13 mm, 6 digits: approx. 120 mA 20 mm, 4 digits: approx. 120 mA 20 mm, 6 digits: approx. 150 mA 30 mm, 4 digits: approx. 150 mA	10 mm approx. 30 mA 13 mm approx. 40 mA 20 mm approx. 70 mA	mitex DP: approx. 250/350 mA at 24 VDC operating voltage mitex SI: approx. 250 mA at 24 VDC operating voltage
Interfaces		 4 digital inputs, electrically isolated	RS 232, TTY, RS 485 (bus compatible)	0 to ±2 VDC, 0 to ±10 VDC, 1 to ±5 VDC 0 to 20 mA, 4 to 20 mA	 RS 232, RS 485 (bus compatible)
Addresses	Profibus-DP: 0 to 26 InterBus: bus-specific	1 to 31	01 to 99		mitex DP: 0 to 126 mitex SI: 1 to 127
Display	0 to 9 and H, E, L, P, -, Blank	0 to 9 and A, b, -, Blank	0 to 9, A, b, C, d, E, F, n, o, P, r, U, -,	000 to ±1999	ASCII character set (+ additional characters for DP)
Baud rate	Profibus-DP: 9.6 kBaud to 12 MBaud InterBus: 500 kBaud		1.2 / 2.4 / 4.8 / 9.6 kBaud		mitex DP: 9.6 kBaud to 12 MBaud mitex SI: 2.4 to 19.2 kBaud
Housing	DIN panel-mount housing, metal with special surface finish	DIN panel-mount housing, metal with special surface finish	DIN panel-mount housing, metal with special surface finish	DIN panel-mount housing, metal with special surface finish	DIN panel-mount housing, metal with special surface finish
Housing dimensions (w x h x d)	Profibus-DP: 96 x 24 x 60 mm InterBus: 96 x 24 x 115 mm	13 mm: 96 x 24 x 62 mm 30 mm: 144 x 48 x 62 mm	13 mm, 6 digits: 96 x 24 x 62 mm 20 mm, 4 digits: 96 x 48 x 62 mm 20 mm, 6 digits: 144 x 48 x 62 mm 30 mm, 4 digits: 144 x 48 x 62 mm	10 mm: 48 x 24 x 60 mm 13 mm: 72 x 24 x 61 mm 13 mm: 96 x 24 x 61 mm 20 mm: 96 x 48 x 61 mm	17 mm, 8 digits: 168 x 24 x 62 mm 30 mm, 8 digits: 264 x 48 x 40 mm 17 mm, 24 digits: 246 x 24 x 62 mm
Mounting	screw clamps	screw clamps	screw clamps	screw clamps	screw clamps
Protection	front panel IP65	front panel IP65	front panel IP65	front panel IP65	front panel IP65
Operating temperature	0 to +50 °C	0 to +50 °C	0 to +50 °C	0 to +50 °C	0 to +45 °C
Storage temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +60 °C
Product catalog	page 27 and 31	page 29	page 33	page 35	page 41 and 59



Metrix Electronics Limited

Minchens Court, Minchens Lane, Bramley, RG26 5BH, U.K.
Tel: +44 (0)845 034 3234, Fax: +44 (0)845 034 3233
E-mail: sales@metrix-electronics.com, Web: www.metrix-electronics.com

Subject to change without notice!