Kamal & Co

LED Pollution Display Boards

We offer end to end solutions for displaying Pollution displays:

1. The Data can be read Directly from A2D converters connected to Sensors.
2. The Data can be read from an EXCEL File periodically. The Data can be read from an a Webservice (Website) that has the pollution data.
3. We can display any number of parameters in either a templated board (Labels are printed) on in a general purpose LED board where the Labels are also displayed in the LED Display.
4. The hardware can be built to any specification, from ruggedness to Water and Tamper resistance etc like IP65.
5. The Boards can be driven using RS422 / RS485 or Ethernet / Wifi.
6. The units can also be controlled remotely using a GPRS/3G Data Terminal Unit.
7. We offer Red, Red+Green or Full Color boards.
8. Our soultion also includes the software for driving the boards with minimal human intervention. The software is written to be easy and intutive to use.
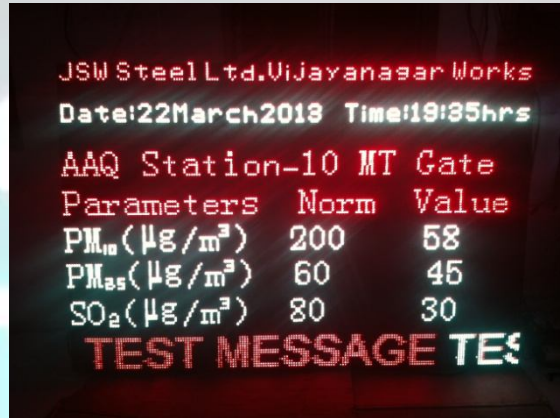
Kamal & Co

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Tel: +91-44-2814 0111 , 2814 0222 , 2814 0333 , 2814 0444 , 2814 0555   Fax / Tel : +91-44-2814 0814
Web: www.factorydisplay.com   www.g-box.in E.Mail: sales@factorydisplay.com   kamalco@gmail.com

Multi-lingual Online Display

DCS Values Online LED

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Multi Colour Full Matrix Display

Multi Colour Full Matrix Display

Jumbo Single line pollution Monitor

GPRS based Pollution Monitor

Kamal & Co

Full Matrix LED board for Pollution Monitoring Models

Model	Matrix	Display Area			
		Height in mm	Width in mm	Height in inches	Width in inches
FOS-36	48 * 192	480	1920	18.75	75.50
FOS-46	64 * 192	640	1920	25.25	75.50
FOS-56	80 * 192	800	1920	31.50	75.50
FOS-66	96 * 192	960	1920	37.75	75.50
FOS-76	112 * 192	1120	1920	44.00	75.50
FOS-86	128 * 192	1280	1920	50.25	75.50

Note:

1. **Colours**:
   a. Single colour boards – RED, YELLOW
   b. Two colour boards - This can display in RED, GREEN and YELLOW color
   c. Full Colour Boards – Text can be displayed in Multi colour
   d. Cost for RED is lowest and other cost for other colours will be higher.
2. **Cabinet:**
   a. The size of the cabinet will be larger than the size of the Display Area
   b. Cabinet is made from Aluminium profiles
   c. Mounting provision will be provided appropriately
3. **Viewing:**
   a. The display will have a wide viewing angle
   b. Brightness is adjustable from PC software for ideal viewing
   c. Optional – Auto Brightness via Sensor.
4. **Communication Interface:**
   a. The LED board is supplied along with PC software
   b. PC software is simple to install and easy to use
   c. Interface available is RS232 / RS485 / LAN
   d. You have to wire the LED board to your PC using standard communication cable. 15 meters cable for RS232/RS485 is supplied along with the board.
   e. Connect to nearest LAN hub for Network access.
5. **Working:**
   a. Install the LED board
   b. Connect to a 230V Input power source- standard. (Optional 110V AC, 24V DC etc)
   c. Connect to your PC via RS232 / RS485 or LAN
   d. Install the PC software in your PC
   e. Open the Software and start using.
   f. Language support – Our PC software and LED board support all Languages.
6. **Packing:**
   a. Boards meant for delivery inside Chennai City – Stretch Wrap
   b. Boards for Export / Long distance / Outstation – Boards are packed inside Plywood casing with Thermocole/Polystyrene cushioning on all sides.

Additionally Rigid supports are placed in corners. Additional stretch wrap is done on top of the Master carton for weather proofing.

7. **Warranty and Support:**

   a. High MTBF components are used in the making of the board. The board electronics are warranted for a period of 12 months from the date of supply.

   b. Telephone support is available from 9am to 5pm – Indian Standard Time on all week days. Tel: +91 44 28140444 or +91 98410 73410

   c. Email support is available from 9am to 9pm on all days. Mail to kamalco@gmail.com for any queries on the working of the LED board.

8. **Notes on usage:**

   a. Place LED board away from high EMI areas

   b. While using outdoors/indoors, protect from Lightning and high voltage.

   c. Input power supply should be steady and should be protected with suitable voltage stabilizers / UPS wherever needed.

   d. Placing a shade on top of the board while using outdoors will enhance viewing and extend life of board

   e. Mount the LED board in such a manner – access to service is quick.

   f. Use good quality connectors at the PC side of the communication cable and the LED board.

9. **Special purpose LED boards:**

   a. We also supply LED boards for directly connecting to your instrumentation like PLC / DCS etc

   b. Above models can be tailor made to work on your communication Protocol

   c. We supply ASCII text protocol based displays in the above model numbers

LED MOVING / STATIC MESSAGE DISPLAY										
	Pixel details		CABINET size approximately.						Either	Or
			in MM			in INCHES				
MODEL	High	Wide	HEIGHT	WIDE	DEEP	HEIGHT	WIDE	DEEP	Maximum lines in English (50mm to 60mm high)	Maximum lines in Vernacular (120 mm to 140mm)
FOS-36	48	192	570	2010	95	22.4	79.1	3.7	6	3
FOS-46	64	192	730	2010	95	28.7	79.1	3.7	8	4
FOS-56	80	192	890	2010	95	35.0	79.1	3.7	10	5
FOS-66	96	192	1050	2010	95	41.3	79.1	3.7	12	6
FOS-76	112	192	1210	2010	95	47.6	79.1	3.7	14	7
FOS-86	128	192	1370	2010	95	53.9	79.1	3.7	16	8