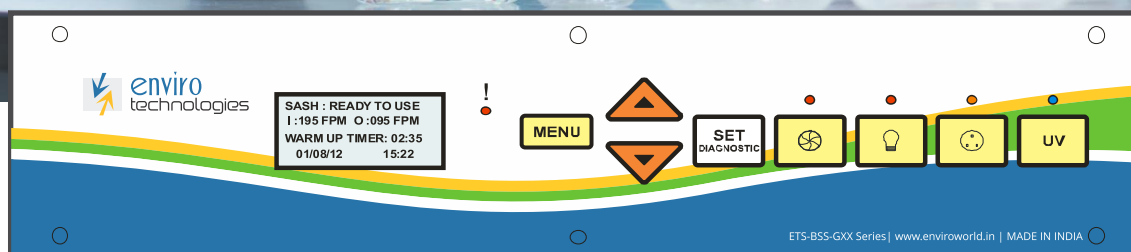


ETS-BSS-GXX Series BioSAFETY Monitoring System Data Sheet



Enviro's ETS-BSS-GXX is a pioneering BSS monitoring and alarm system developed to ensure the safety of users working in pharmaceutical and biological safety cabinets. Boasting a simple, yet intuitive, user interface that has been optimized for user experience, the ETS-BSS-GXX Series is easy to navigate and features simple on-screen prompts to guide end users.

ETS-BSS-GXX unit is a Microcontroller based Electronic BSS system which consist of front panel sticker with 128X64 Graphical Display, Main board, Relay board. Front (Human interface board) panel consist of 5 Nos. LEDs ALARM, BLOWER, LIGHT, SWITCH, UV and four Programmable keys MENU, UP, DOWN, SET/DIAGNOSTIC. Total 8 programming Keys which are used for programming of different parameters and operating LIGHT, BLOWER, SWITCH and UV.

Salient Features:

- Advanced Micro-controller based
- 128 x 64 G-LCD display
- Four Soft Touch: ON/OFF Action Key for blower, UV, Lamp & Socket
- 3 Digital Reed Input for SASH window Status indication
- Inbuilt UV hour meter with reset option
- User programmable system with password protected menu
- Blower Air-Flow Monitoring in m/s or fpm for inlet & outlet blower
- Temperature, Inlet/Outlet airflow monitoring
- PC connectivity with RS-485 output for system status

TECHNICAL SPECIFICATIONS

ETS-BSS-GXX Series BioSAFETY Monitoring System Data Sheet

Sr. No	Specifications	Description
1	Type	Microcontroller Based Electronic Enviro Bio Safety System.
2	Range	0-1 m/s (depends on sensor) 0-5V output for 0-1 m/s & 0 to 99.9 Deg C
3	Control resolution	0.01 m/sec ; 0.1 Deg C.
4	Relay Output	4 Relay output Blower, Light, Socket, UV
5	COM port	RS 485 with periodic system status
6	SASH Alarm	Yes with alarm repeat
7	Horn Silence	Yes
8	Display & LED	128 X 64 Graphical LCD Display Led Indication => ALARM, BLOWER, LIGHT, SWITCH, UV.
9	Keypad	Total 8 Keys Menu Keys => SEL, INC, DEC, SET/DIAGNOSTIC. Function Keys => BLOWER, LIGHT, SWITCH, UV.
10	Analog I/Ps	Total 3 Analog I/Ps 1. 1st Channel:- RTD PT100 Sensor (0.0°C to 99.9°C) 2. 2nd Channel:-Air Flow Sensor (0 to 5VDC) Range 0 to 1 m/s 3. 3rd Channel:-Air Flow Sensor (0 to 5VDC) Range 0 to 1 m/s
11	Digital Inputs	Total 3 Magnetic Reed Switch Inputs 1. Input1 : Reed Switch (CLOSED) 2. Input2 : Reed Switch (READY TO USE) 3. Input2 : Reed Switch (OPEN)
12	Potential Free Outputs	Total 4 Potential Free Outputs With Contact Rating Of 5Amp Protected By 5Amp Fuse. 1. Relay1: BLOWER 2. Relay2: LIGHT 3. Relay3: SWITCH 4. Relay4: UV
13	Power Supply	1) 12VDC @ 1Amp/50Hz For Mother Board 2) 12VDC @ 1Amp/50Hz For Relay Board
14	Mounting	Fully Flush

Note: All specifications are subject to change without notice due to continuous improvements.

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