

Data Storage Unit for Stability Chambers



Introduction

ETS-DSU-GXXAXX (DSU+Display) unit is a new version of ETS-DSU 2.1 Hardware PC & Parallel Printer interface, where display is interfaced with **ETS-DSU-GXXAXX** on RS 485 internally. Display consists of 128X64 GLCD display and 4 programming keys which are used for programming of different display parameters, **ETS-DSU-GXXAXX** parameters and also to display the controller parameters. This display is connected internally on same RS485 cable on which controllers are connected.

Features:

- Microcontroller based electronic device with dotmatrix printer and 1 PID controller interface
- Records and monitors various parameters like temperature, humidity, LUX & UV
- Equipped with safe & secure login/password mechanism
- Database management with auto backup features at the same time data can be restored with user configurable database name with software
- MIS like MKT, Reports, Graphs, Audit Trail report via software
- Data of these parameters ultimately gets converted in encrypted electronic records through software
- LED alarm indication; Memory Alarm Message
- 128 X 64 alphanumeric graphical display
- Transaction upto 4500 for 1 PID with 1 parameter

Technical Features:

Sr. N.	Specifications	Description
1	Type	Microcontroller based Electronic device with Printer and 1 PID controller Interface
2	Display	128 X 64 Alphanumeric Graphical display
3	Keypad	Total 4 Keys Function keys =>SEL, INC, DEC, ENT.
4	Transaction capacity	Up to max transaction for PID controller. 1. 4500 for 1 PID controller
5	Power supply	12VDC @ 2A 12 watts
6	Communication Port	1. RS 485 (PID Communication) 2. RS 485 (PC Communication) 3. Parallel Printer interface
7	Printers supported	EPSON LX-300+ (Dot Matrix)
8	Size	96x96mm
9	Weight	270gm
10	Keypad functions	
	<i>Admin Login</i>	To Access the parameters of display unit
	<i>Display Mode</i>	To set display unique #
	<i>Controller No.</i>	To set no. of PID Data to be display.
	<i>Print Control</i>	Different Print Controls settings.
	<i>Print Last Pages</i>	To Print old PROCESS data from ETS-DSU-GXXAXX page wise.
	<i>Print form Date</i>	To Print old PROCESS data from ETS-DSU-GXXAXX date wise.
	<i>Print Interval</i>	To set polling time in minutes on ETS-DSU-GXXAXX
	<i>Page Length</i>	To Set Page Length on ETS-DSU-GXXAXX
	<i>Set Decimal Point</i>	To Remove/Set Decimal point
	<i>Memory Used Status</i>	Display Memory Used Status.
	<i>Set DSU Number</i>	Set ETS-DSU-GXXAXX UNIT ID
	<i>Set Date Time</i>	Set Time and Date for unit.
	<i>Contrast Control</i>	Set contrast
	<i>Mem. Alarm Prog</i>	Programmable Memory Alarm for PC & Printer memory.
	<i>Set Stabilize</i>	Setting of stabilization period mode (Major stabilization and Minor stabilization (optional factory setting)
	<i>Alarm Acknowledged</i>	Acknowledged different alarms and stabilization(Optional Factory setting)
	<i>PID SELECTION</i>	Selects PID from given PIDs (PXF4, PXR4 and OMRON)
	<i>Back To Main</i>	This function used to exit the Menu with logoff.
	<i>Other feature</i>	
	<i>PRINTER REMARKS</i>	Printer message.

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

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