

PRELIMINARY DATASHEET



Features:

- 7" LCD with resistive touch screen
- 10 password levels
- Recipe Management
- Serial Printing
- Data Logging

Size:(214 x 160 x 51.6) mm

Technical Specifications

Display

Type	7" TFT LCD (256 color)
Resolution	800 x 480 pixels
Display size	154.08mm x 85.92
Backlight	LED backlight
No. of Keys	7 function keys +1 system key

Front Panel

Touch Screen	Analog Resistive
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Communication

Ports	Interface	Protocol	Configuration
COM1	RS485	Modbus RTU	Master
COM2	RS232/RS485	Modbus RTU	Slave
COM3	RS232	LX300 protocol	Serial printer

Functionality

Data logging	Yes
Recipes	Yes
Alarms	Yes
Password	Yes (10 Password levels)
Backup Battery	Replaceable 3V CR2032
Hardware RTC	10 year at 25°C
Buzzer	Electromagnetic
Buzzer Sound O/P	85dB at 10 cm
Timer Display Format	Sec, Min, Hr, Day, Min:Sec, Hr:Min, Day: Hr.

Ratings

Power Supply Voltage	18 - 30V DC
Power Consumption	10W max.

Functional Specifications:

Programming Method	Windows based software for HMI configuration.		
Memory	Internal	BMP	4MB
		Font	4MB
		Application	0.5MB
		Upload	5.5MB
		System reserved	2MB
External	Total	16MB	
	Micro SD up to 2 GB (User memory)		

Environmental Conditions

Temperature	Operating : 0 to 55°C Storage : -30 to 80°C
Humidity	95% RH
Protection Class	IP65 front

Mechanical Specifications

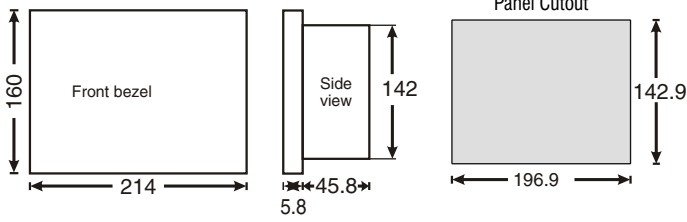
Dimensions (WxHxD) mm	214 x 160 x 51.6
Panel Cutout (WxH) mm	196.9 x 142.9
Mounting	Panel mounting
Weight	730 gms

Terminal Connections

BACK VIEW

Sr. No.	Description	Sr. No.	Description
①	Supply terminal	⑤	COM3
②	COM1	⑥	Buzzer
③	COM2	⑦	Micro SD Card Slot
④	USB slave port	⑧	Jumper for RS232/RS485 slave

Dimensions (in mm)



Port PIN Description

COM1 MASTER PORT (Male Connector)	PIN	CONNECTION
	1	—
	2	—
	3	—
	4	—
	5	—
	6	—
	7	RS485 (+)
	8	RS485 (-)
	9	—
COM2 SLAVE PORT (Female Connector)	PIN	CONNECTION
	1	—
	2	RS232 (TXD)
	3	RS232 (RXD)
	4	—
	5	GND
	6	RS485 (+)
	7	RS485 (-)
	8	—
	9	—
COM3 PRINTER PORT (Male Connector)	PIN	CONNECTION
	1	—
	2	RS232 (TXD)
	3	RS232 (RXD)
	4	—
	5	GND
	6	—
	7	—
	8	—
	9	—

Ordering Information

Product	Order Code
SP11-GT70	SP11-GT70

Accessories (To be ordered separately)

Accessories for communication
AC-USB-RS232-01 (For downloading from USB Port)
ACH-001 (For downloading from Serial port)
ACH-002 (For Master Port)
ACH-004 (6 pin to 6 pin RJ25 jack)
Windows-Based Software for SMI
Power Supply Module
PS-CF-24V-1.1A