



214 x 160 x 51.6 mm

Features :

- 7" LCD with Resistive Touchscreen
- 10 Password Levels
- Serial Printing
- Data Logging
- Alarms
- Built in Buzzer
- Modbus RTU Protocol
- USB Downloading

Display Specifications

Type	7" TFT LCD (256 color)
Resolution	800 x 480 pixels
Display Size	154.08 x 85.92mm
Backlight	LED Backlight
No. of Keys	7 Function Keys +1 System Key

Front Panel

Touch Screen	Resistive
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Communication

Ports	Interface	Protocol	Configuration
COM1	RS485	Modbus RTU	Master
COM2	RS232/RS485 (via jumper selection)	Modbus RTU	Slave
COM3	RS232	ESC/PAUSE	Serial printer
USB Slave	USB	USB 2.0	Slave

Ratings

Power Supply Voltage	18 - 30V DC
Power Consumption	5W max @ 24V DC

I / O Connectors

USB Port	1 x USB 2.0
COM Port	1 x Rs232 (printer) 1 x Rs485 (Master) 1 x RS232 / RS485 (Slave)

Functional Specifications

Programming Method	Windows based software for HMI configuration.													
Memory	Internal	<table border="1"> <tr> <td>Recipe</td> <td>1MB</td> </tr> <tr> <td>BMP</td> <td>4MB</td> </tr> <tr> <td>Font</td> <td>4MB</td> </tr> <tr> <td>Application</td> <td>0.5MB</td> </tr> <tr> <td>System reserved</td> <td>6.5MB</td> </tr> <tr> <td>Total</td> <td>16MB</td> </tr> </table>	Recipe	1MB	BMP	4MB	Font	4MB	Application	0.5MB	System reserved	6.5MB	Total	16MB
	Recipe	1MB												
BMP	4MB													
Font	4MB													
Application	0.5MB													
System reserved	6.5MB													
Total	16MB													
	External	Micro SD up to 2 GB (User memory)												
Data logging	Yes (On external SD Card)													
Recipe	Yes (On external SD Card)													
Alarms	Yes													
Password	Yes (10 Password levels)													
Backup Battery	Replaceable 3V Cr2032													
Hardware RTC	10 year at 25°C,													
Accuracy	+/- 20min per Year													
Buzzer	Electromagnetic													
Buzzer Sound O/P	85dB at 10 cm													
Timer Display Format	Sec, Min, Hr, Day, Min:Sec, Hr:Min, Day:Hr., Day:Hr:Min:Sec.													

Environmental Conditions

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

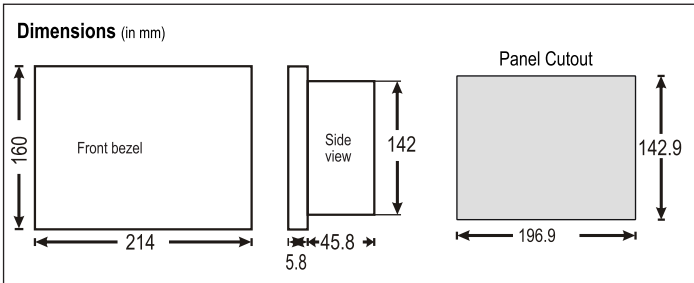
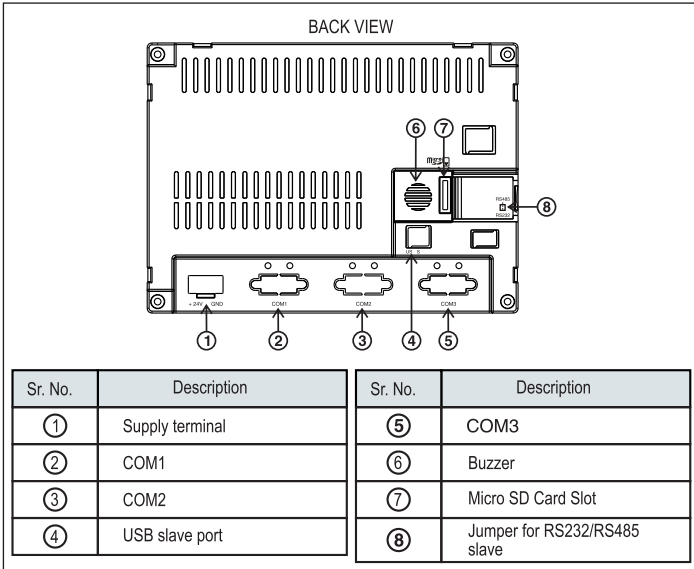
Serial Communications

Transmission Mode	Half Duplex
Transmission Speed	2400, 4800, 9600, 19200, 38400, 57600, 115200
Parity	None, Odd, Even
Stop Bits	1 or 2
Data Bits	7 or 8

Mechanical Specifications

Dimensions (W x H x D) mm	214 x 160 x 51.6
Panel Cutout (W x H)mm	196.9 x 142.9
Mounting	Panel Mount
Weight	730 gms

Terminal Connections



Ordering Information

Product Code	Description	Certification
SP11-GT70 V2	7" Touch Screen HMI	CE RoHS in Process

Accessories (To be ordered separately)

Accessories for communication
AC-USB-RS232-01 (For Downloading from USB to Serial Port)
ACH-001 (For downloading from Serial port)
ACH-002 (For Master Port)
AC-IOEXP-03 (For Master to Slave Communication)
Windows-Based Software for SMI
Power Supply Module
RP-3M-2.5A-24VDC

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	—