



99 x 99 x 62.85mm

Features :

- 3.5" LCD with Resistive Touch Screen
- 10 Password Levels
- Recipe Management
- Serial Printing
- Data Logging
- Alarm
- Built in buzzer
- Modbus RTU protocol

Display Specifications

Type	3.5 TFT LCD (256 colors)
Resolution	320 x 240 pixels
Display size	3.5" Diagonal
Backlight	LED
No. of Keys	5 Function Keys + 1 System Key

Front Panel

Touch Screen	Analog Resistive
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Communication

Ports	Interface	Protocol	Configuration
COM1	RS232	Modbus RTU	Slave
COM2	RS485	Modbus RTU	Master
COM3	RS232	ESC/PAUSE	Serial Printer (Slave)

Ratings

Power Supply Voltage	18 - 30V DC
Power Consumption	4W max @ 24V DC

Environmental Conditions

Temperature	Operating : 0 to 50°C Storage : -30 to 85°C
Humidity	95% RH

Mechanical Specifications

Dimensions (W x H x D) mm	99 x 99 x 62.85
Panel Cutout (W x H) mm	92 x 92
Mounting	Panel Mount
Weight	275 gms

I / O Connectors

COM Port	1 x RS232 (DB9), Slave 1 x RS232 (RJ25), Printer 1 x RS485 (2 Terminal)
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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)												
Minimum Scan Time	less than 100ms													
Typical Scan Time	400ms (Also depends on application)													
Data logging	Yes (On External SD Card)													
Recipes	Yes (On External SD Card)													
Alarms	Yes													
Password	Yes (10 Password levels)													
Backup Battery	Replaceable 3V CR2032													
Hardware RTC	Yes, with battery back-up													
Buzzer	Yes (Software programmable)													
Buzzer Sound O/P	85dB at 10 cm													
Timer Display Format	Sec, Min, Hr, Day, Min:Sec, Hr:Min, Day: Hr.													

Terminal Connections

BACK VIEW

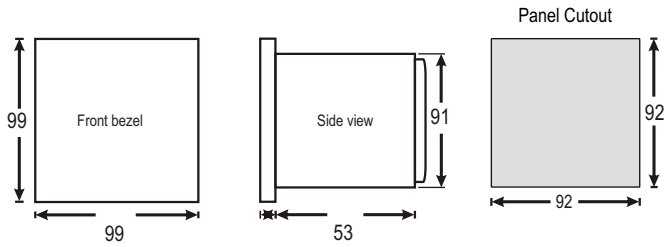
TOP VIEW

Sr. No.	Description	Sr. No.	Description
①	+24V	⑥	Printer Port
②	GND	⑦	Battery Cover
③	Slave Port	⑧	Buzzer
④	(-) RS485 Master Port	⑨	SD Card Slot
⑤	(+) RS485 Master Port		

Serial Communications

Connector	DB9 (RS232 Slave) Screw Terminal (RS485 Master) RJ25 (RS232 Slave (Printer))
Transmission Mode	Half Duplex
Transmission Speed	9600, 19200, 38400, 57600, 115200 bps
Parity	None, Odd, Even
Stop Bits	1 or 2
Data Bits	8

Dimensions (in mm)

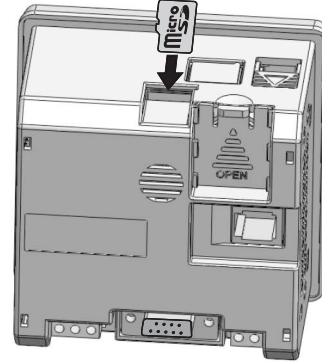


Port PIN Description

PORT	PIN	CONNECTION
<p>SLAVE PORT</p>	1	—
	2	TXD
	3	RXD
	4	—
	5	GND
	6	—
	7	—
	8	—
	9	—
<p>PRINTER PORT</p>	1	—
	2	GND
	3	TXD
	4	RXD
	5	GND
	6	—

Memory Installation

- Installation micro SD card
 - › Push the micro SD Card into the slot until it clicks.
 - › See Below figure for mounting direction.



- Removing micro SD Card
 - › Push the micro SD Card into the slot until it clicks and then release

Ordering Information

Product Code	Description	Certification
SP3-GT35	HMI – 3.5" Resistive Touch Screen	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 Printer Port)
Power Supply Module
RP-3M-5A-24VDC