

**1 YEAR**  
WARRANTY



# User's Guide

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# DP1001AM

## Automatic Temperature Scanner

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The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

**WARNING:** These products are not designed for use in, and should not be used for, human applications.

# 10 channels Temperature Scanner

## DP1001AM

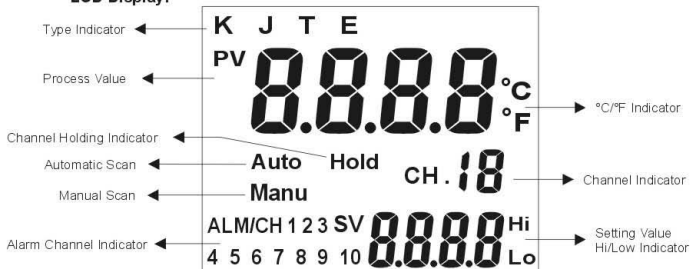
### Features:

- Large LCD with backlight displays PV and SV value.
- Latching Hi/Low alarm 5A(250VAC) with manual reset.
- Each channel has individual, independent, and programmable alarm setpoint with alarm indicator.
- Multi-mode for setting Channel number, °C/°F, Auto/Manual, Scan rate, K/J/T/E type and Hi/Low
- RS232 communication for computer interface.






### Specifications:

Range	Type K	Type J	Type T	Type E
°F	-58 ~ 2498	-58 ~ 1832	-184 ~ 752	-58 ~ 1382
°C	-50 ~ 1370	-50 ~ 1000	-120 ~ 400	-50 ~ 750
Resolution	0.1(<1000), 1(>1000)			
Accuracy	0.15% of Reading $\pm 1^{\circ}\text{C}$ or $1.8^{\circ}\text{F}$			
Power	9V DC			
Channel	10 channels			
RS232	Yes			
Relay	Hi/Low			
Scan rate	2 ~ 60 sec.			

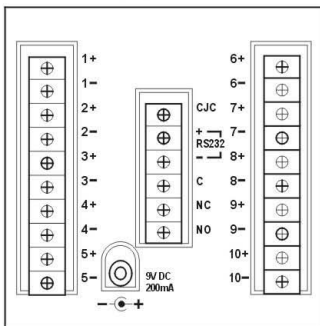
### LCD Display:



### Functions of Keyboard:

	<ol style="list-style-type: none"> <li>1. Press to turn on or off the power.</li> <li>2. Press and hold to enter Basic Setting.</li> </ol>
	<ol style="list-style-type: none"> <li>1. Press to keep monitoring the value of a certain channel under automatically scan mode.</li> <li>2. Press and hold to enter Hi/Low Setting.</li> </ol>
	1. Switch channels under manually scan mode.
	2. Adjust values in Basic and Hi/Low Setting.
	<ol style="list-style-type: none"> <li>1. Press to turn on the backlight for 10 minutes under backlight-off mode.</li> <li>2. Press and hold to reset the alarm of each channel.</li> </ol>

### Back Panel Display:



**All of the channel labels:** Each channel requires a positive and negative wire. This picture shows which channels represent which input terminals and if they are negative or positive.





**RS232 port:** This is the port used when you want to hook up the Automatic Temperature Scanner to a computer.

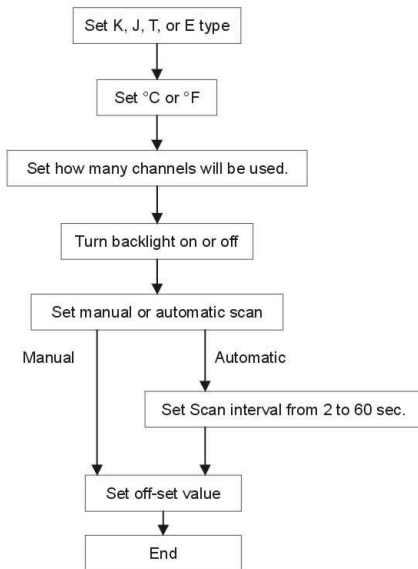
**C, NC, NO:** Common, Normal Closed, Normal Open for relay.

**9V DC/200mA:** Please use an adaptor with 9V DC/200mA for input power.







### Basic Setting(SET A):

Press and hold  for 3 seconds to enter Basic Setting. During this setting, please use  and  to adjust setting values. Press  to confirm setting values and enter next setting.



### Hi/Low Setting(SET B):

Press and hold  for 3 seconds to enter Hi/Low Setting. During this setting, please use  and  to set "Hi" or "Low" and adjust the setting values for each channel. Press  to confirm and enter next setting.

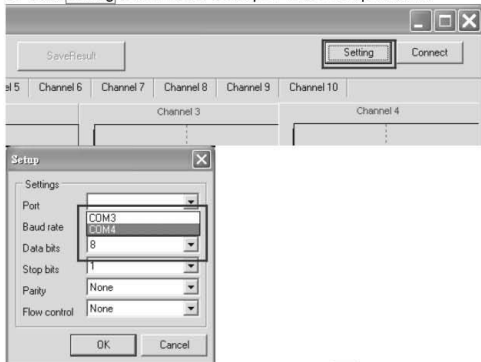
## Connect to PC:

### <System Requirement>

OS: Windows 2000, Windows XP, Windows Vista, Windows 7.

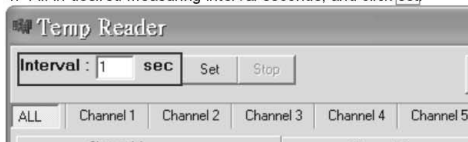
### <Operations>

1. Copy "GOnDO\_Temp.exe" from the CD-ROM to a folder.
2. Double-click "GOnDO\_Temp.exe" to start the program.
3. Click **setting** button to set COM port in the Setup window.

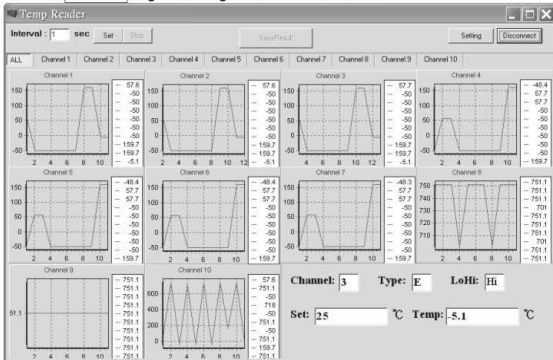


Choose the responding Port and then click **OK**. In normal situation, other settings do not need to be changed.

4. Fill in desired measuring interval seconds, and click **set**.

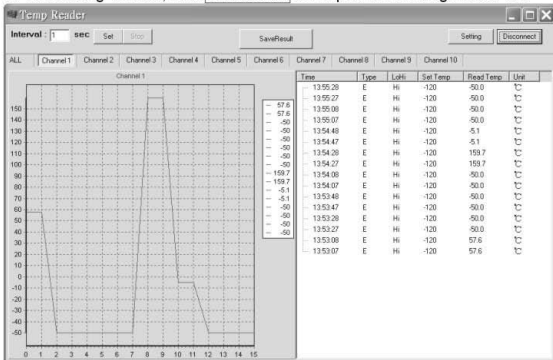


5. Click **Connect** to get readings and draw the curve.



6. Click the small tab of each channel in the main window can enter a big window with detail reading information. Click tab **ALL** to back to the main window.

7. In each big window, click **SaveResult** will export the readings to .txt file.



**Note:**

Please click **Disconnect** or close the program before turn off power or remove the RS-232 cable.

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2. Model and serial number of the product under warranty, and
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