

.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

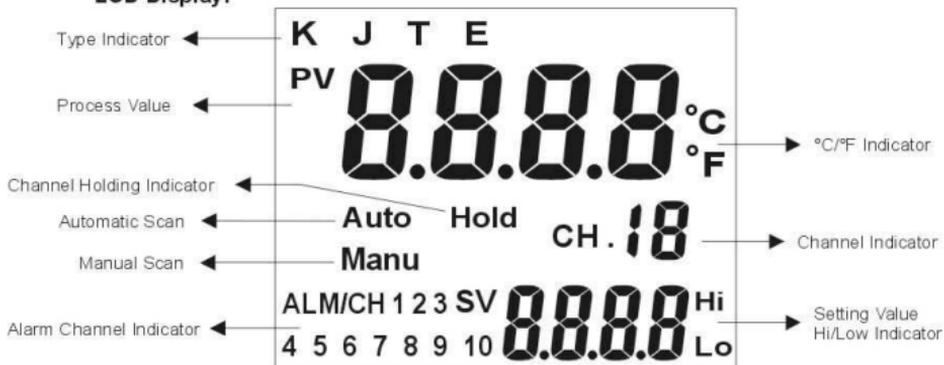
Features:

- 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°F			
Power	9V DC			
Channel	10 channels			
RS232	Yes			
Relay	Hi/Low			
Scan rate	2 ~ 60 sec.			

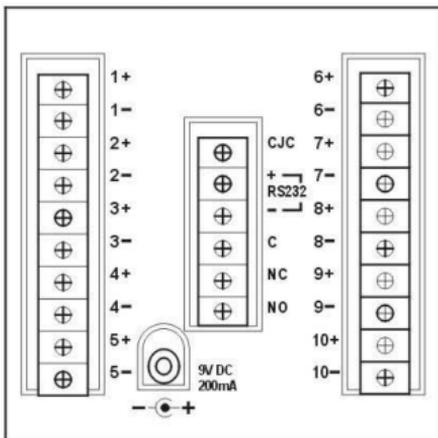
LCD Display:



Functions of Keyboard:

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

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.

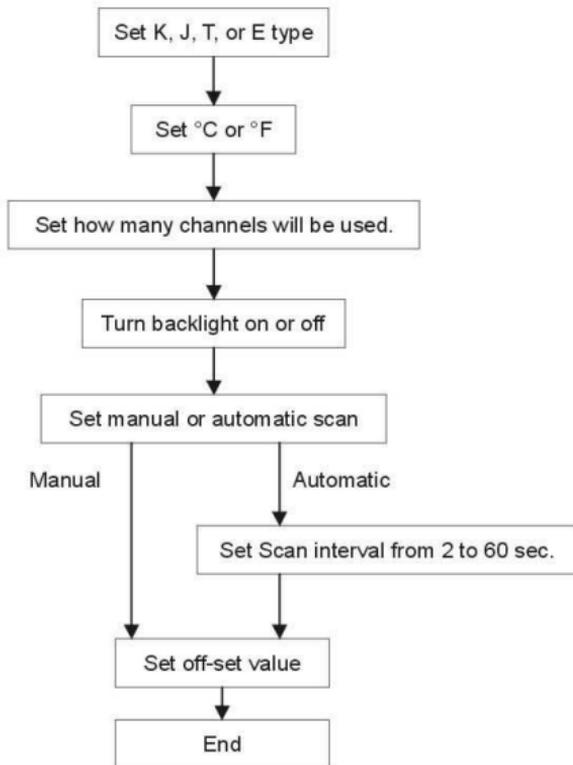
C, NC, NO: Common, Normal Closed, Normal Open for relay.

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.

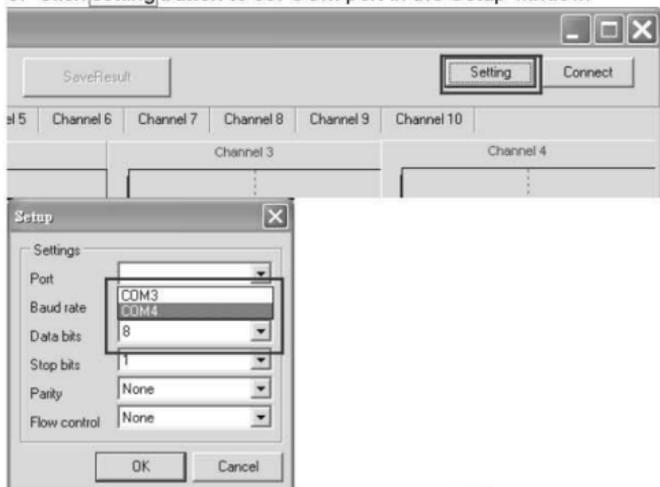
Connect to PC:

<System Requirement>

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

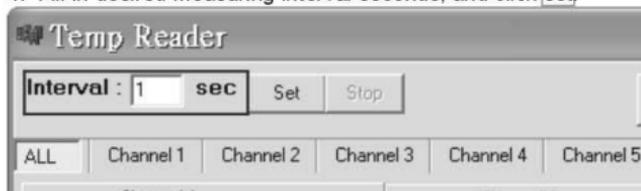
<Operations>

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.

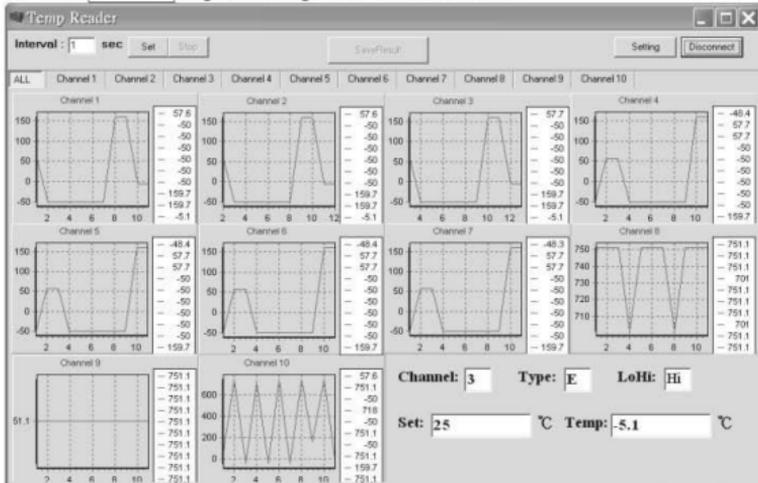


Choose the responding Port and then click **OK**. In normal situation, other settings do not need to be changed.

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

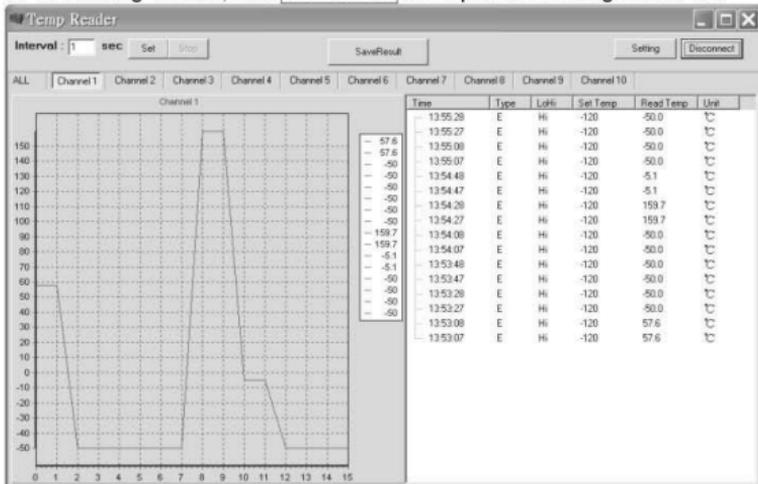


5. Click **Connect** to get readings and draw the curve.



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.

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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