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User's Guide

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PT-104 RTD Data Acquisition Module Quick Start Guide



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3. Repair instructions and/or specific problems relative to the product.

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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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6 Writing Your Own Software

The CD-ROM contains all the manuals and drivers that allow you to develop your own custom programs easily. Follow section 3 to install.

7 Technical Support

The OMEGA Engineering web site at:

www.omega.com

contains regularly updated technical support information. Both the product manual and the web site contain phone, fax and e-mail contact information for our technical support team.

Contents

	Contents	1
1	Introduction	2
2	Safety Warnings	2
3	Installing the Software and Manual	3
4	Installing the PT-104 RTD Data Acquisition Module	3
5	Software Updates and Replacements	3
7	Writing Your Own Software.....	4
8	Technical Support.....	4



1 Introduction

Thank you for purchasing a PT-104 RTD Data Requisition Module.

This guide explains how to install the software and product manual using the supplied CD-ROM.

The product manual contains detailed information about using the product and its software. It includes all the information you will need to connect and set up your product. The manual is installed in electronic format, but if you would prefer a paper copy, you can print the PDF files on the CD-ROM.

2 Safety Warnings

We strongly recommend that you read the general safety information below and also the product-specific safety warning in the product manual before using your product for the first time. If you do not use the equipment in the manner specified, then you may impair the protection provided. This could result in damage to your computer or injury to yourself or others.

The product manual is installed on your computer when you install the supplied software.

Maximum Input Range

You can find the maximum input range and, where applicable, overload protection range in the product manual installed on your computer. Always operate the product within the specified input range. Operation outside the range of the overload protection is likely to cause permanent damage to the unit.

Mains Voltages

Do not attempt to connect this product to any source of mains (line) voltages.

Safety Grounding

The ground of every product is connected directly to the ground of your computer through the interconnecting cable supplied. This is done in order to minimise interference. Therefore, always use the supplied cable to attach the product to your computer.

Take care to avoid connecting the ground input of the product to anything which may be at some voltage other than ground. If in doubt, use a voltmeter to check that there is no significant AC or DC voltage between the oscilloscope ground and the point to which you intend to connect it. Failure to check may cause damage to the product or computer and could cause injury to yourself or others.

With temperature converters, take great care when measuring temperatures near mains equipment. If a sensor is accidentally connected to mains voltages, you risk damage to the converter or your computer and your computer chassis may become live.

You should assume that the product does not have a protective safety earth. Incorrect configuration or use on voltages outside the maximum input range can be hazardous.

Repairs

The unit contains no user-serviceable parts. Repair or calibration of the unit requires specialised test equipment and must be performed by OMEGA Engineering Inc.

3 Installing the Software and Manual

- 1) Insert the Omega PT-104 CD into your CD-ROM drive. If Autorun is enabled, the CD will start automatically. If this is so, go to step 5.
- 2) Click the Start button on the Windows desktop and select Run...
- 3) Type D:\start (where 'D:' is your CD-ROM drive)
- 4) Press the Enter key
- 5) When the CD software runs, click the Install Software button
- 6) The program will guide you through the installation.

4 Installing the PT-104 RTD Data Acquisition Module

If your PC does not have a spare RS-232 port (also called a COM port or a legacy serial port), you will need to install the USB to RS-232 adapter supplied with your Omega PT-104. Please refer to the instructions on the mini CD supplied with the adapter.

If your PC has a spare RS-232 port, then simply plug the data logger into the port using the 9-pin cable supplied. Note the number of the COM port that you have used. You need to enter this number when you configure the data logging software for the first time.

5 Software Updates and Replacements

The latest version of the PT-104 software can always be downloaded free of charge from:

www.omega.com

If you require a new CD, please contact OMEGA Engineering.