

Getting Started

Contents Including 19" Rack System

Systems supplied with a 19" rack will have the main components built in to the rack. Items packed separately are:

- C2000 software CD (already pre-installed by Webtec on the industrial computer)
 - C2000 getting started guide (this document)
 - C2000 channel configuration document
 - Keyboard and mouse
 - Operating system CD (already pre-installed by Webtec on the industrial computer)
 - Drivers CD (already pre-installed by Webtec on the industrial computer)
 - Hardware guide and test certificate
 - Mains lead
 - UPS getting started guide
 - UPS driver CD (already pre-installed by Webtec on the industrial computer)
 - USB lead (not required)
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Contents Excluding 19" Rack System

Box 1 - C2000 Hardware Interface

- C2000 Rack mountable data acquisition interface unit
 - C2000 Software CD (already pre-installed by Webtec on industrial computer)
 - C2000 Getting Started (this document!)
 - C2000 Channel Configuration document
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Box 2 - Industrial Computer

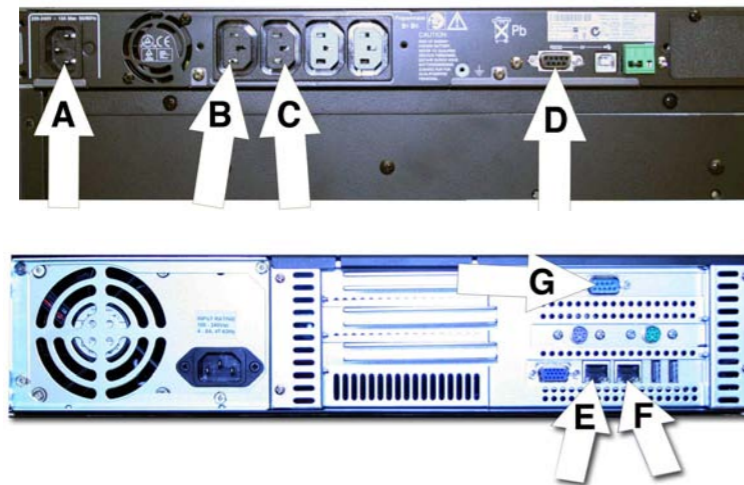
- Industrial rack mountable computer
 - Keyboard & Mouse
 - Operating system CD (already pre-installed by Webtec on industrial computer)
 - Drivers CDs (already pre-installed by Webtec on industrial computer)
 - Hardware guide & test certificate
 - Network cable
 - Mains Lead
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Box 3 - Uninterruptable Power Supply

- Rack mountable UPS
- UPS getting started guide & manual
- UPS driver CD (already pre-installed by Webtec on industrial computer)
- 2 x Power leads
- USB lead (not required)
- Serial Lead
- Rack mounting kit

Setting up the C2000 System Hardware

1. Unpack and locate the industrial computer, C2000 data acquisition unit and UPS in a 19" rack (if not supplied pre-assembled in a 19" rack).
2. Connect the keyboard and mouse to the industrial computer USB ports.
3. Connect a Monitor (not supplied) to the monitor port on the industrial computer.
4. Connect the network cable from the C2000 data acquisition unit to the right hand network socket (Arrow F) on the industrial computer (if not supplied pre-assembled in a 19" rack)
5. Connect the UPS power leads (male/female) from the UPS (Arrows B & C), one to the industrial computer, one to the C2000 data acquisition unit. (if not supplied pre-assembled in a 19" rack)
6. Connect the RS232 data cable between the industrial computer and UPS (Arrows G & D) if not supplied pre-assembled in a 19" rack
7. Connect the mains power input to the UPS (Arrow A) using the mains lead (from box 2).



Connecting and Setting up the Sensors

1. Connect the sensors to the C2000 data acquisition unit.
 - a. If you have purchased sensors with the C2000 then connect them to the appropriate channels as per the Channel Configuration document guide. The C2000 software and hardware has been pre-configured with these sensors.
 - b. If you have purchased the sensors separately or already have sensors then they can be connected in any appropriate channel. The 8 input modules accept 4-20mA signals (see the C2000 User Guide to configure the hardware for flow or pressure) and the 6 input modules accept TTL signals. To setup the software appropriately for each channel see the online help.

Starting up the System

1. Turn on the power to the C2000 data acquisition unit. The switch will not illuminate until the UPS is turned on!
2. Make sure the power to the UPS is on then press and hold the front button of the UPS until it powers up.
3. Turn on the power to the industrial computer if it has not switched on automatically.
4. The industrial computer will boot up in Windows and ask you to log on. The default user name is 'c2000' and password is 'webtec'.
5. Windows will finish loading and the C2000 software will run automatically.

Windows Setup Information

- The industrial computer is pre-installed with Windows XP, the C2000 software and the UPS management software.
 - The default user is 'c2000' and is a Windows administrator. You may setup up other users including domain users, but they must be a Windows administrator in order to run C2000 software successfully.
 - The industrial computer can be connected to your corporate network using the second (Arrow E) network port. By default this is setup to use DHCP.
- IMPORTANT:** Do not adjust any of the settings on the network port connected to the C2000 data acquisition unit.
- Webtec recommends that, if you connect the industrial computer to your corporate network, you should load anti-virus software.
 - In order to preserve the reliability of the C2000 for production testing, Webtec recommends that no additional software, except anti-virus, should be loaded on to the industrial computer.

