

PCCU 7.14.4 Readme (Jan. 2010)

PCCU Version 7.14.4 (Part No. 2103445-020)

ReadMe File

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WELCOME TO PCCU

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The Totalflow Windows Portable Calibration and Collection Unit (PCCU) is a set of functions integrated into a single Windows program used for doing setup, calibration and data collection of Totalflow devices. After getting familiar with a few basic screens and their functions, users should find PCCU easy to use.

RE-INSTALLING PCCU

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If you have a previous installed PCCU of version 7.x.y.z on your computer, you can safely re-install it in the same directory. The installation will not modify any previous setup that you've done for your system or modify any collected flow data. However, you can not install this version of PCCU over version 6.x.y.z or earlier.

If you have previous PCCU versions and you want to keep them, you should install this version in a new directory.

SYSTEM REQUIREMENTS FOR PCCU

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The following table shows the minimum software and hardware requirements for installing and running PCCU.

Operating system:	EFM/RTU - Windows XP (SP2 or later), Windows Vista NGC - Windows XP (SP2 or later) Microsoft Internet Explorer version 5.0 or later
Microprocessor:	Pentium IV or equivalent
Memory:	2 GB
Hard disk space:	50 MB (data storage excluded)
Disk drive:	CD/DVD ROM drive
Video adapter:	SVGA or higher resolution
Pointing device:	Microsoft Mouse or compatible pointing device

INSTALLING PCCU FROM A CD/DVD

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IMPORTANT: Close all programs except for Windows when installing software.

Windows XP SP2 or later computers

1. Insert the CD/DVD in the CD/DVD ROM drive.
2. The Install Program should automatically load. (Assuming the 'Auto Insert Notification' has not been turned off).
3. If the Install Program does not automatically load, click on 'Start' then 'Run'.
4. Type the CD/DVD drive letter plus "setup", .e.g. (E:setup)
5. Click 'OK'.
6. The Install Program will be loaded followed by a 'Welcome Message'.
7. Click 'Next'.
8. Enter your name and your company name.
9. Click 'Next'.
10. Change the Destination Directory if desired.
11. Click 'Next'.
12. Change the Program Folder if desired.
13. Click 'Next'.
14. The installation process will load all the required software.
15. If the install program asks you to restart the computer, please do so before running the PCCU software.
16. If you have no message to restart the computer but the screen is displayed for Reading the Readme file or running PCCU now. The installation is complete.
17. Check or un-check a selection and click 'Finish'.

STARTING PCCU

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Click on the Start button, select 'Programs' and from the 'Totalflow PCCU 7' group, select PCCU. This will bring up the PCCU shell. If installing the Standard PCCU package, there will be three basic Icons, "Connect To Totalflow", "Collection Reports" and "Open configuration File". Most PCCU functions appear after being "Connected" to a device.

NOTE: Under Windows, Using "Large fonts" does not harm anything, but causes certain text fields not to fit all on buttons or in certain windows.

BUNDLED SOFTWARE

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1. WellTell Wireless Utility (Version 1.06, Part No. 2102167-006)
2. WellTell IO Local Calibration (Version 1.0.2, Part No. 2103720-002)
3. EZ Block Builder (Version 1.1.2, Part No. 2104003-001)

NEW FEATURES

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1. G4 Coriolis Application with Selectable Units.
2. NGC Single stream sampler.
3. PGC calibration elevation correction.
4. G4 Selectable Units Plunger Control Application.
5. Trending is now a no-charge, standard application

Issues Resolution and Improvements

Bug 2440 -Entry mode - Alarm System: The Red, Green, and Yellow status colors for alarms are not present when clicking on the Alarm Definitions and Alarm Acknowledge tabs within Entry mode - Alarm System. In order for the status colors to appear, the user must click on the Re-read button.

Bug 2599 -1. Correctly set the Static Read type to Absolute or Gauge in the CFX Configuration Report. 2. Set the flash base part number in the Serial Number field of the CFX Configuration Report. 3. Set the Collect Time in the Latest Access Time field in the CFX Configuration Report. 4. Set the Fa,Fb, etc.

factors in the CFX Configuration Report. 5. Modified to show the orifice Ref Temp value for VCone calc method. 6. Moved the Write File for Latest Access Time in the correct place, above the user field position.

Bug 2600 -Outputs - Coastal Flow CFX: The Temperature High and Low limits are not being displayed in the Configuration - Characteristic 2 tab.

Bug 2883 -PCCU NGC - Laptop File Utilities - Outputs: The outputs status message incorrectly states that "0 Stream Meters Processed" even though the outputs have been successfully performed for a stream.

Bug 3428 -Laptop - Reports - NGC Reports - Current Results Report: Totals are not being reported for the Ideal and Relative Density columns.

Bug 3646 -Only 2 decimal places in the "Ideal CV" (Btu) Collection Column located in the Archive, Historical Cycle that Runout collects for the Repeatability Stats. Two decimal places does not give us the resolution required for our established Procedure.

Bug 3648 - PumpApp - Pump Time won't let pump start.

Bug 3681 -The Selectable Units Setup page does not support context sensitive help.

Bug 3698 -G4 TFIO PI's do not read a DI as a pulse.

Bug 3709 -Entry - Communications - NGC Server - Communications: The Port field in the advanced view incorrectly has a drop down field instead of a free format text field. The Expert view correctly allows for text to be entered into this field.

Bug 3715 -Plunger does not have tuning for Casing Slope, or show Delta, Breakup INI into two tabs.

Bug 3729 - Processed chromatograms in historical collection do not have a date and time stamp on the graph as they do in current results or manual peak find.

Bug 3790 - PCCU did not unlock XMV display after leaving calibration screen.

Bug 3805 -Pump INIs do not show AO and DO setup except on Generic. Pump DO polarity affects cmd (modbus) - should only affect local DO.

Bug 3842 -VCone tube application shows "Units" in Entry Mode, Tree view.

Bug 3851 -The Turner Flow Rate is incorrect on the 2104108-001 flash. The turner Tune is also tuning the opposite direction than the G4 Turner Tune. The Flow Rate

is setup based on the correct tube registers, yet the Flow Rate becomes a 12 digit number.

Bug 3869 -The LMV Interface needs to be removed from the Security Editor.

Bug 3871 -PCCU crashes after outputting a trend file to the screen via Local - Remote Communications.

Bug 3875 -The Trend and Alarm applications can not be viewed by Basic users.

Bug 3877 -To prevent stations files from being corrupted on both the PC and the device, following access rights are required, 1. Require read access to all apps for Save Station Files. 2. Require write access to all apps for Restore Station Files.

Bug 3900 -When switching entry views, PCCU closes the connection and all other connected frames such as Calibrate, Save&Restore etc.

Bug 3904 -The registry button on the PCCU main screen is not reporting any of the registration information for the G4 devices. When clicking on the Registry button, none of the fields besides the flash build date and software description are being populated.

Bug 3927 -PCCU crashes when it tries to connect to a device that does not have a valid time. This could happen when the device has been powered down for a while and w/o the lithium battery sustaining the real time clock, the real time clock could be left in a state without a valid time (the time is initially set by runout). PCCU needs to gracefully handle this situation.

Bug 3928 -In calibration with G4 XRC -- If AI 2(7.4.1) is assigned to a Tube Static pressure, the option to set the input as a Gauge pressure device is grayed out on the Calabration/Setup screen. It appears PCCU is treating the input as if it was on an XFC with an AMU/XIMV.

Bug 3932 -On GUI screens such as AGA3, AGA7 etc., PCCU chops significant digits from numbers with more than 7 digits and from numbers ending with all 0's.
Bug 3933 - In Entry mode tube event tab, AGA7 accumulator events do not show values when they rollover.

Bug 3938 -No fields are available in monitor mode for the SU Coriolis.

Bug 3940 -If PCCU is installed into a directory with spaces and parentheses, then whenever the 32bit loader tries to open a package file, it says "Invalid Package File Selected!!!".

Bug 3947 -1. For U.S. tubes, in collect view "Daily Flow Data" tab, the "SP Min ()" and "SP Max ()" column headers should read "SP Min (PSIA)" and "SP Max (PSIA)". 2. For U.S. AGA-7 tubes, in collect view "Daily Flow Data" and "Log Period Data" tabs, the "Uncorr Vol (SCF/Hr)" column header should read "Uncorr Vol (MACF)". 3. For U.S. AGA-7 tubes, in reports, the "Uncor Vol" column header should read "Uncor Vol MACF".

Bug 3738- Save & Restore - Save Station Files: If a station file exists and the Save Station files option is selected, a folder is being created before the save process starts. Now the system uses the existing station file folder.

Bug 3773- G3 configurations that were created prior to PCCU 7.x (configurations that are not zipped but instead are expanded out into subfolders) and cannot be browsed by PCCU. When Save and Restore is connected to a G3 device, selecting the 'Restore Station Files' option and clicking on the browse button results in .zip files being displayed. The user has no way of selecting a folder in the browse window. The user must now enter the path of the main folder. It is noted that once the path has been manually entered, the restore option does perform correctly (all subfolders are restored onto the device). This issue appears to have been introduced in PCCU v7.13.6 by fixing the Save and Restore G4 xfc and xrc config files browse option. Problem now resolved. User can restore older style "loose" files and are no longer limited to .zip files.

Bug 3789- Attempting to save a G3 configuration to a config file that already exists and selecting the delete option results in the 'old' config file not being deleted. Instead, the delete option is performing the same way the 'overwrite and merge' option performs. Now the old files are deleted first.

Bug 3797- Selecting Trend File Editor in the Save and Restore screen results in PCCU crashing. In the Save and Restore screen, the user can access the Trend File Editor two different ways. The user can simply go to Operate - File Utilities - Trend File Editor, or they can select the Trend folder and double click on any of the trend files. Both methods are resulting in crashes. Crashes related to this issue have been resolved.