

Quick Start Guide

System Contents

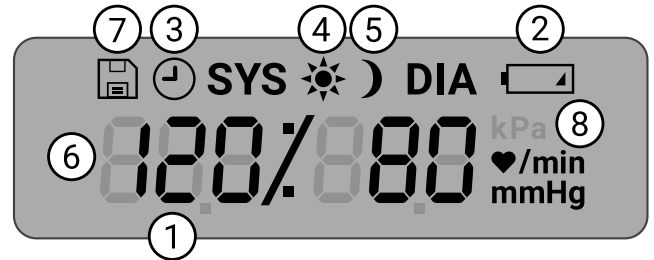


Quick Start Guide Contents

System Contents	1
Introduction to the Bravo Mini.....	2
Programming a Device and Setting up a Study	4
Reviewing a Study and Printing a Report.....	5
AccuWin 4 SE Installation	6
AccuWin 4 SE Local Installation.....	7
AccuWin 4 SE Server-Client Installation.....	8

Quick Start Guide

Introduction to the Bravo Mini



1. Start/Stop Button

To Power On:

Press the Start/Stop button.

To Power Off:

When not taking a reading, press and HOLD the Start/Stop button until you hear 8 beeps (approx. 5 seconds), then release.

To Abort a Measurement:

Press the Start/Stop button any time during a reading.

To Start a Programmed ABP Study:

When time is flashing, press the Start/Stop button to take 1st reading.

To Start a Manual BP Reading:

When clock is displayed, press the Start/Stop button.

2. Male bayonet NIBP connector

1. **Time** - Shown when the monitor is not taking a reading.
2. **Battery** - Indicates low battery; REPLACE BATTERIES.
3. **Clock** - ABP study in progress.
4. **Sun** - Indicates AWAKE portion of study.
5. **Moon** - Indicates ASLEEP portion of the study.
6. **BP Reading** - During a reading, displays the pressure of the cuff. Immediately after a reading, shows the BP results followed by heart rate in beats per minute.
7. **Readings Symbol** - Indicates number of BP readings in memory.
8. **Unit** - Indicates the measurement unit of the displayed value

Quick Start Guide

Introduction to AccuWin 4 SE

AccuWin 4 SE



1. Quick Access Toolbar

Access to functions throughout the AccuWin 4 SE software

2. Individual readings

Individual study measurements and comments

3. ABP Data Graph

Systolic, Diastolic and Heart Rate are provided graphically against BP thresholds












4. ABP Graph Thresholds

Adjust thresholds and awake and sleep times

5. Patient and Study Data Tabs

Additional study and patient information

Toolbar Buttons

-  Program device
-  Retrieve study from device
-  Patient Database
-  Print Preview
-  Print
-  Print Page
-  Create PDF
-  Settings
-  Help
-  Exit
-  Languages

Quick Start Guide


Programming a Device and Setting up a Study

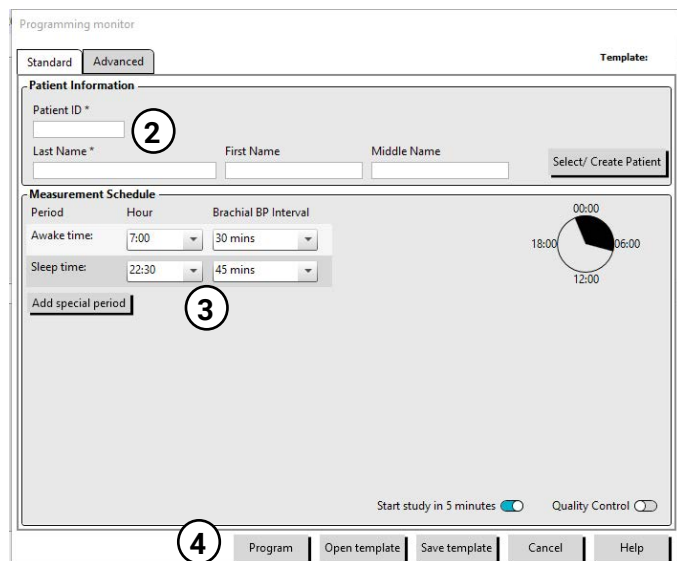
Connecting the Bravo Mini ABP monitor

1. Insert 2 alkaline AA batteries into the Bravo Mini
2. Connect the USB-C cable to the USB connector on the ABP monitor and to a PC USB connector.



Programming the Bravo Mini ABP monitor

1. Click the Program icon in the toolbar 
2. Enter patient ID and name.
3. Set Awake, Sleep times and measurement intervals.
4. Press Program to setup the device.



Beginning a patient study

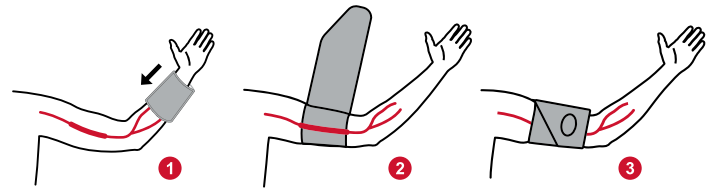
CAUTION: Incorrect cuff size or placement could result in erroneous and misleading blood pressure measurements. If you are unfamiliar with cuff use, consult the manual for full instructions on cuff application.

Choose the proper cuff size using the range and index markers on the cuff.

5. Connect the BP hose to the monitor and to the cuff.



6. Apply the Orbit ABPM cuff to the non-dominant arm of the patient with the artery symbol over the brachial artery.



7. Enclose the device in the pouch and attach to patient using a belt, with the hose around the back of the patient's neck.



8. Perform a test BP to ensure comfort and accuracy by pressing the start/stop button.
9. Provide the patient with oral or written instructions for the study. For suggested instructional content, consult the manual.

Quick Start Guide

Reviewing a Study and Printing a Report

Retrieving a study

1. Connect the Bravo Mini to the computer using the USB cable.
2. Click the retrieve icon
3. Select whether patient is a new or existing patient



Is this a new patient?

Yes No

Reviewing a study

1. Retrieve a study from a device or select an existing study from patient database.
2. View study data using the study data tabs at the bottom of the review view.



ABP Data Patient Info Physician Info Statistics Hourly Averages Summary

3. Set an automated interpreted summary based on AHA, ESH or Pediatric guidelines.

AccuWin Pro™ 4

File Monitor Report Configure Help

Patient Name Patient ID Patient Age Test Date
Sample 1 With CBP Data 74654-24hr 47 years Saturday, May 30, 2015

Settings

JNC 7/AHA

Recommended levels of normality for ABPM according to the JNC 7 Report and the American Heart Association (AHA)

	Normal
24 Hour	< 130/80
Awake	<= 135/85
Asleep	<= 120/75

Interpretive Summary

Based upon JNC 7 and AHA recommendations, the ABPM data suggests:

- Normal 24 hour SYS and DIA pressure (122/65 mmHg)
- Normal awake SYS and DIA pressure (127/67 mmHg)
- Normal asleep SYS and DIA pressure (100/53 mmHg)

Asleep dip is 19.2 % SYS and 20.7 % DIA, Dipper (normal).

Saving & printing a report

1. Customize your report settings using the report tab in the settings menu.



Configuration

Hardware Settings Data Display Diary Comments Email Report Export

Formats Details

One page report
Standard report
Full report

Report Pages

Summary Page ☒
Patient Information Page ☒
Statistics Page ☒
Time-Slice Statistics Page ☒
Reviewed Data Page ☒
Omitted Data Page ☒
BP Load Page ☒
Hourly Averages Page ☒
Study Comparison Page ☒
Histogram Page ☒
Monitor Configuration Page ☒

New Report Delete Report

Report Title

Font Weight
Normal

Font Size
10

Default

OK Cancel Help

2. Click one of the following icons:

- Save PDF to disk



- Preview PDF report



- Send report to printer



- Send report first page to printer

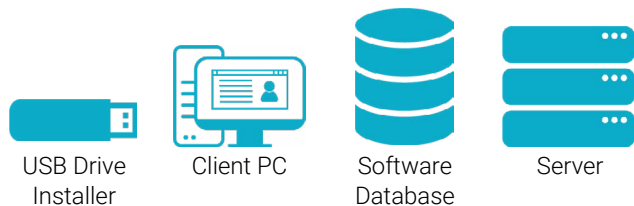


Quick Start Guide

AccuWin 4 SE Installation

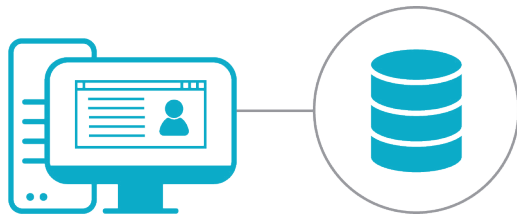
Choosing your installation type

AccuWin 4 SE can be installed on a single PC (local installation) or on multiple PCs connected to the same patient information database (server-client installation).



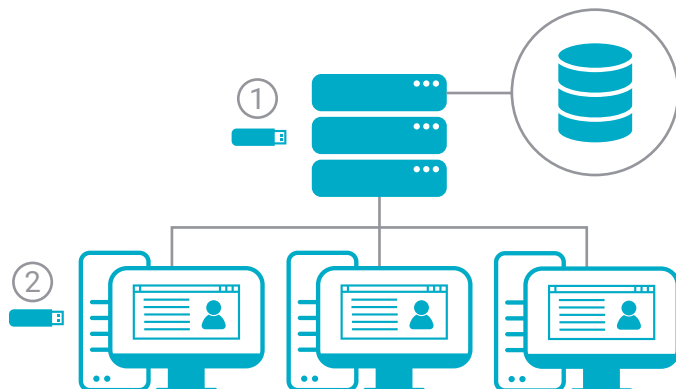
Local Installation

For single PC terminal access, run the installer on the terminal only. Local Installation will install the database on the local PC.



Server Client Installation

For a server-client setup with multiple terminals, run the installer first on the database server, and then on each PC terminal.



Notes for Windows 7 and 32-bit installations

AccuWin 4 SE is packaged with Microsoft SQL Server Express 2016, which requires Windows 8.1 or higher and a 64-bit operating system. Windows 7 and 32-bit systems require the installation of SQL Server Express 2014. Use the SQL2014 installer in the Advanced Installation Tools folder.

USB Drive Contents

- AccuWin 4 SE with SQL2016 installer
- Language Folders Contain:
 - User Manual
 - Quick Start Guide
- Advanced Installer Tools contain
 - Client only installer - lightweight installer for installing on client workstations
 - AccuWin 4 SE with SQL 2014 installer

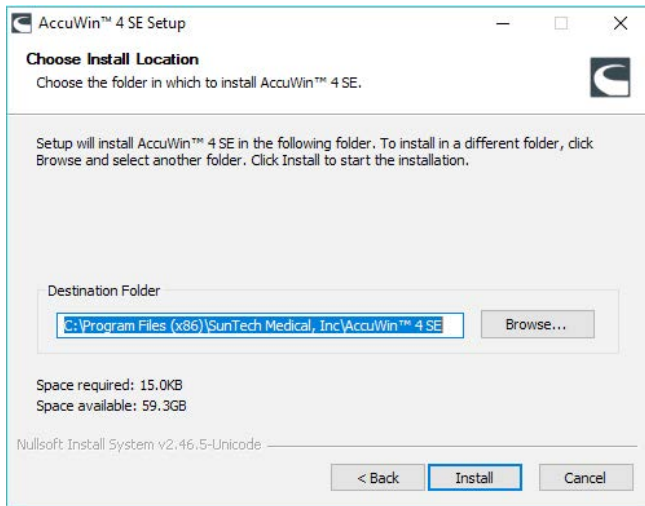
Name	Date modified	Type	Size
Advanced Installer Tools	5/19/2019 11:35 A...	File folder	
Čeština	5/19/2019 11:35 A...	File folder	
Deutsch	5/19/2019 11:35 A...	File folder	
English	5/19/2019 11:33 A...	File folder	
Español	5/19/2019 11:34 A...	File folder	
Français	5/19/2019 11:34 A...	File folder	
Italiano	5/19/2019 11:35 A...	File folder	
Nederlands	5/19/2019 11:34 A...	File folder	
Polskie	5/19/2019 11:35 A...	File folder	
Português	5/19/2019 11:35 A...	File folder	
Türk	5/19/2019 11:34 A...	File folder	
中文	5/19/2019 11:34 A...	File folder	
AccuWinPro4-4.0.3.57-Full.exe	5/19/2019 10:06 A...	Application	535,248 KB

Quick Start Guide

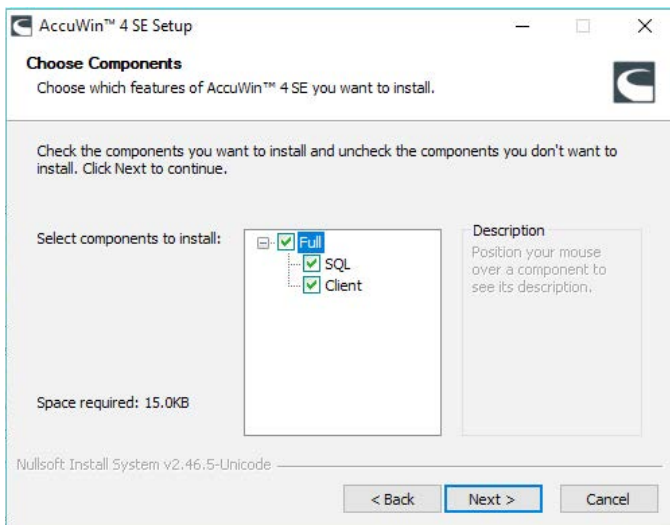
AccuWin 4 SE Local Installation

Local Installation Process

1. Connect your Start Here USB drive and launch the AccuWin 4 SE installer.

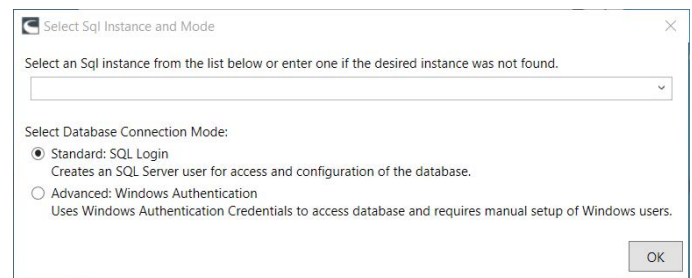
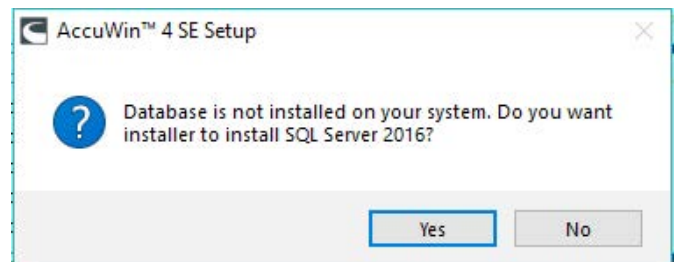


2. Select the **Full** installation type:



3. Complete the SQL Database Installation

- AccuWin 4 SE will use an existing SQL Server when available or prompt to install a new SQL Server if no existing server is found. If no server is selected by default, select the instance with AWP at the end, if available.
- **Choose Database Connection Type:**
 - **Standard: SQL Login:** Setup a SQL Server user for database communication. Requires no further setup for client setup.
 - **Advanced: Windows Authentication:** Requires Windows authentication for database access. Requires each Windows user to be provided with access to SQL Server.



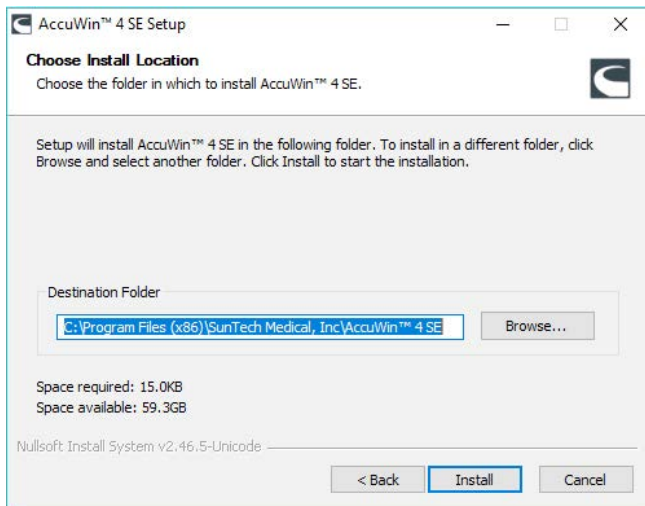
4. Launch AccuWin 4 SE

Quick Start Guide

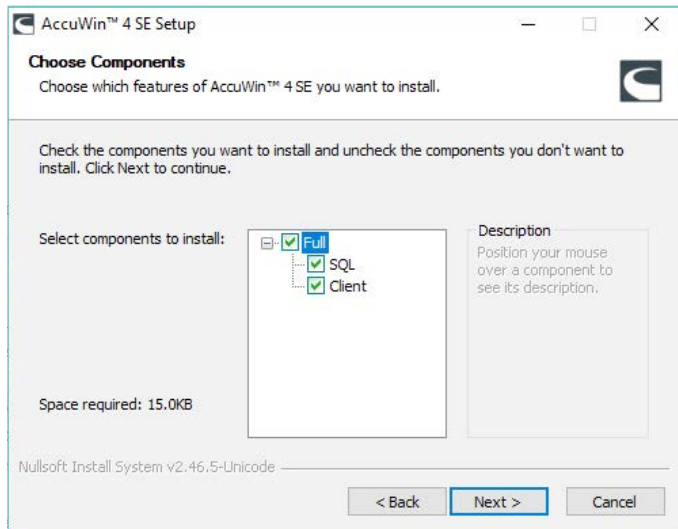
AccuWin 4 SE Server-Client Installation

Server-Client Installation Process

1. Connect your Start Here USB drive and launch the AccuWin 4 SE installer on the server to be used as the AccuWin 4 SE database.



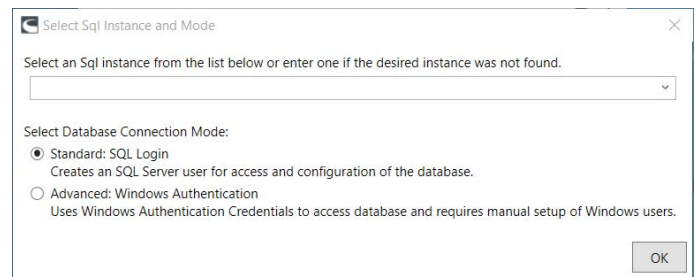
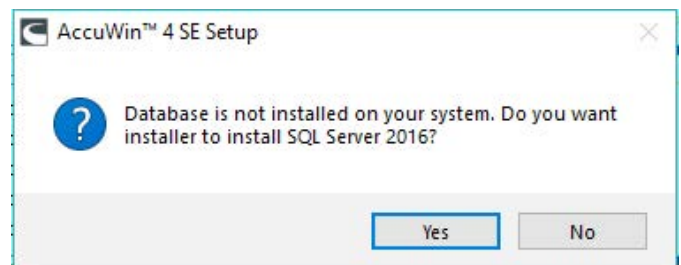
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- Choose Database Connection Type:

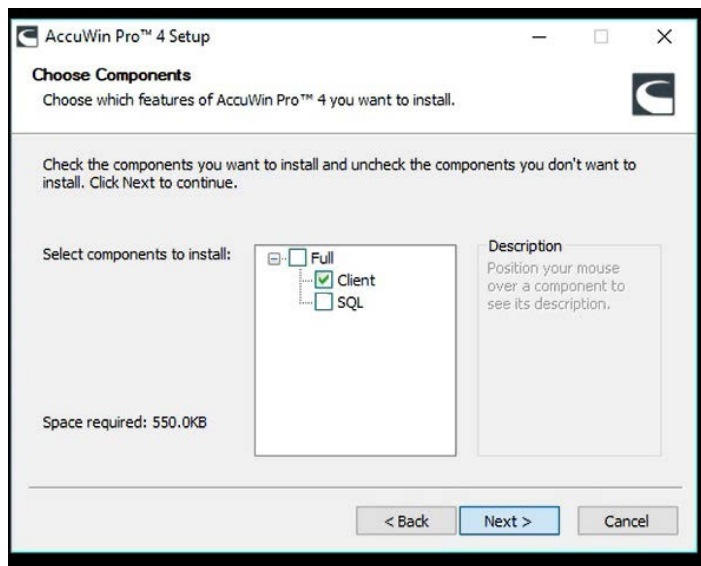
- **Standard: SQL Login:** Setup a SQL Server user for database communication. Requires no further setup for client setup.
 - **Advanced: Windows Authentication:** Require Windows authentication for database access. Requires each Windows user to be provided access to SQL Server.
- Remember your **Connection Type** as you will need to use the same connection method with all clients.



4. Connect your Start Here drive and launch the AccuWin 4 SE installer on all workstations to be used as the AccuWin 4 SE clients.
5. Select the **Client** only installation.

Quick Start Guide

AccuWin 4 SE Server-Client Installation



- When prompted, choose the SQL instance previously installed on the server and select the same Connection Type
- Complete the installation and launch AccuWin 4 SE.

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