

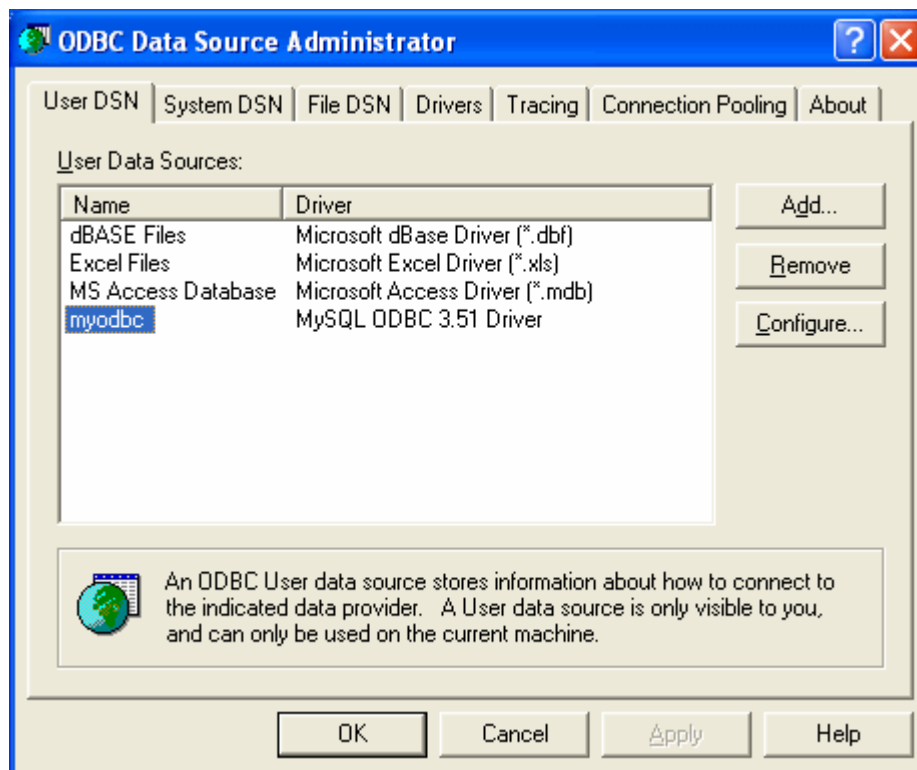
How to Store Data using WINDAQ/MySQL

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A MySQL database can store 30,000 times more data than a Microsoft Excel spreadsheet. Used in combination with WINDAQ/Lite, Pro or Pro+, WINDAQ/MySQL is a convenient solution for those needing to store and easily retrieve large quantities of data. The WINDAQ/MySQL application acts as a bridge, linking WINDAQ to a MySQL database.

Before we can create a MySQL database and begin storing data, we'll need to install the MySQL Connector/ODBC:

1. Download the MySQL Connector/ODBC at <http://dev.mysql.com/downloads/connector/odbc/5.1.html> and run the installer.
2. With the driver successfully installed, select "Data Sources (ODBC)" from the "Administrative Tools" group in the Windows Control Panel.



3. Click on the "Add..." button.

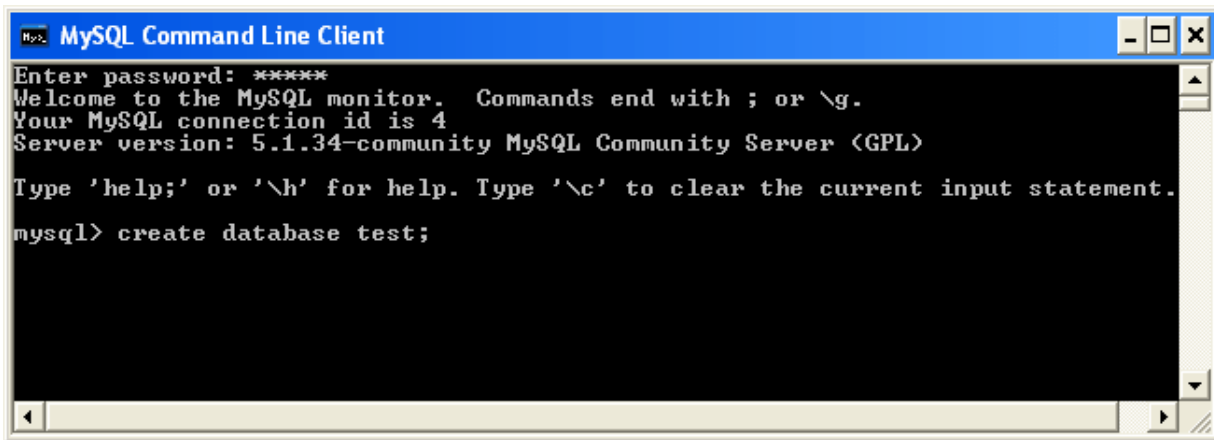
4. Select the MySQL ODBC 3.51 Driver and click “OK.”

The connector allows you to connect to database using the WINDAQ/MySQL application.

Note: This program does not work with ODBC driver 3.5.1.10. If you currently have this driver, please upgrade to 3.5.1.11 or later.

With the connector/ODBC driver installed, we can run the MySQL Command Line Client (if you don't have MySQL you can download it for free at www.mysql.com) and create a database.

For this example we'll create a database called “test.”

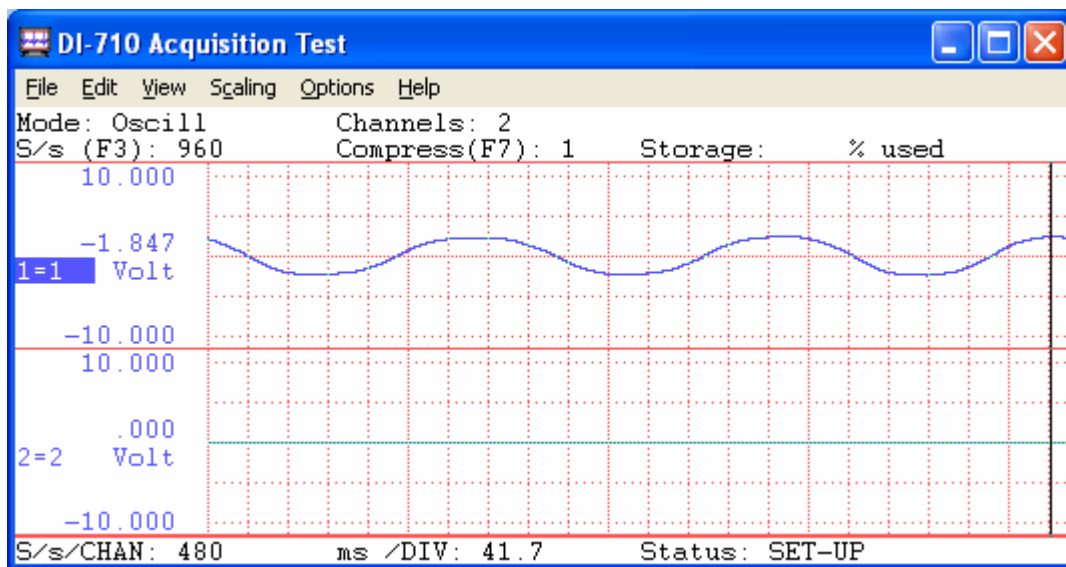


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MySQL Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 4
Server version: 5.1.34-community MySQL Community Server <GPL>

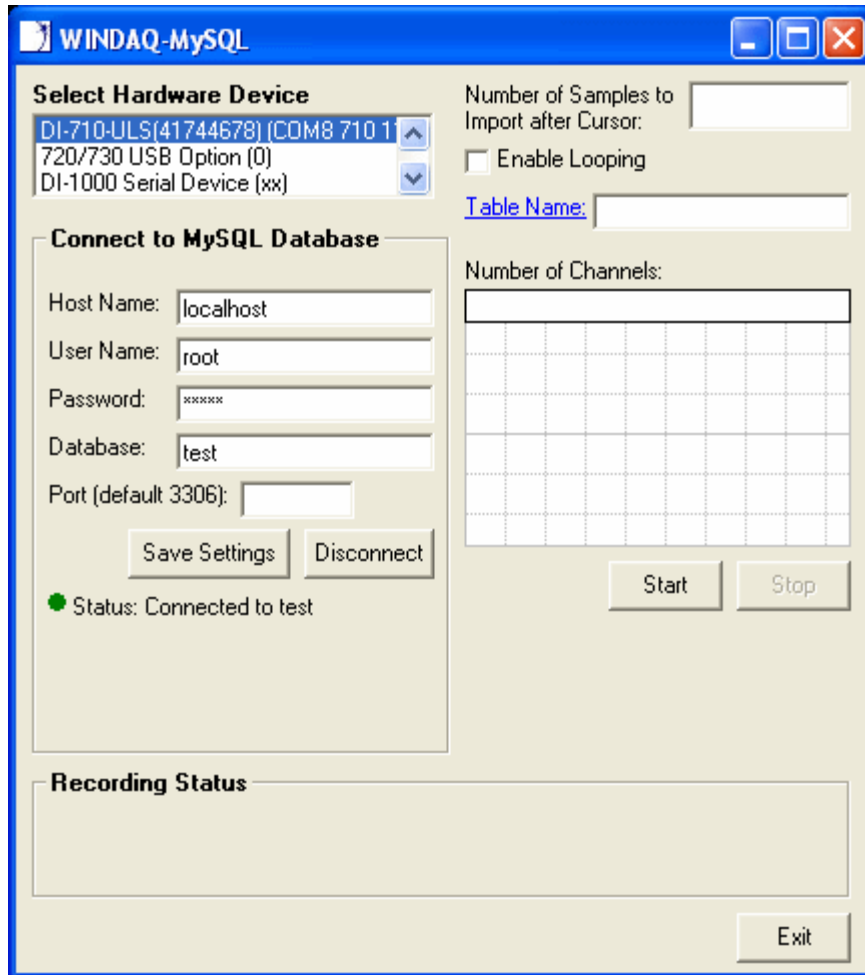
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> create database test;
```

With the database created, we can import data using WINDAQ/MySQL.

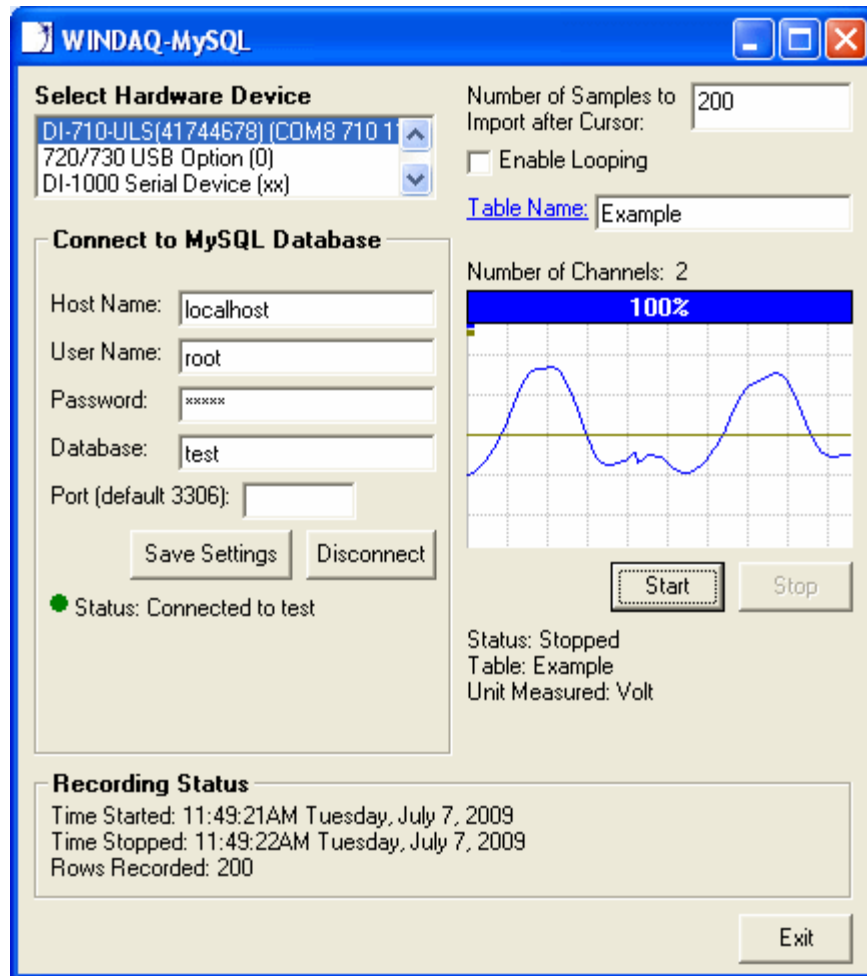
First we'll need to run WINDAQ.



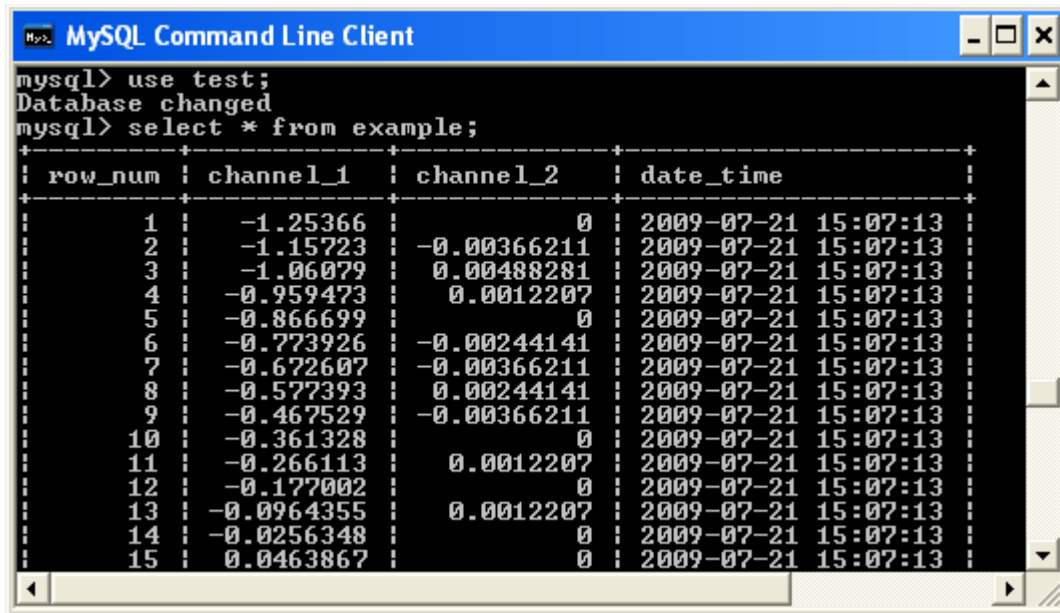
Next we'll run the WINDAQ/MySQL application, select the appropriate data acquisition device (a DI-710-ULS in this case) and enter our log-in information. We'll specify the database into which data will be stored (test) and click "Connect."



Finally, we'll click the "Start" button and watch as data streams into the "test" database.



Stored data can be viewed in the MySQL Command Line Client.



```
mysql> use test;
Database changed
mysql> select * from example;
```

row_num	channel_1	channel_2	date_time
1	-1.25366	0	2009-07-21 15:07:13
2	-1.15723	-0.00366211	2009-07-21 15:07:13
3	-1.06079	0.00488281	2009-07-21 15:07:13
4	-0.959473	0.0012207	2009-07-21 15:07:13
5	-0.866699	0	2009-07-21 15:07:13
6	-0.773926	-0.00244141	2009-07-21 15:07:13
7	-0.672607	-0.00366211	2009-07-21 15:07:13
8	-0.577393	0.00244141	2009-07-21 15:07:13
9	-0.467529	-0.00366211	2009-07-21 15:07:13
10	-0.361328	0	2009-07-21 15:07:13
11	-0.266113	0.0012207	2009-07-21 15:07:13
12	-0.177002	0	2009-07-21 15:07:13
13	-0.0964355	0.0012207	2009-07-21 15:07:13
14	-0.0256348	0	2009-07-21 15:07:13
15	0.0463867	0	2009-07-21 15:07:13

For additional tools and viewing options, go to <http://dev.mysql.com/downloads/gui-tools/5.0.html>.