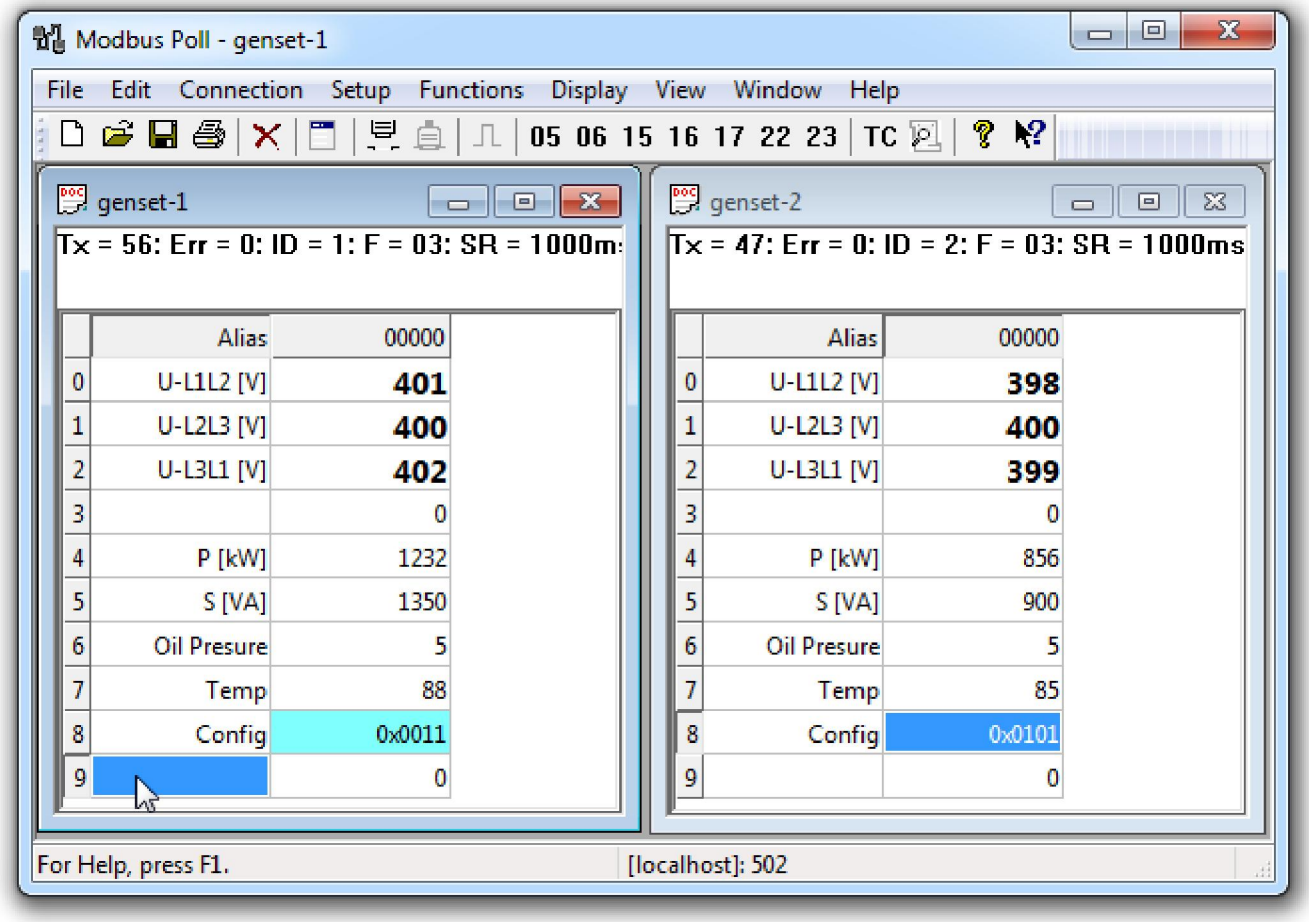
ModbusTools

Modbus Poll Quick start guide

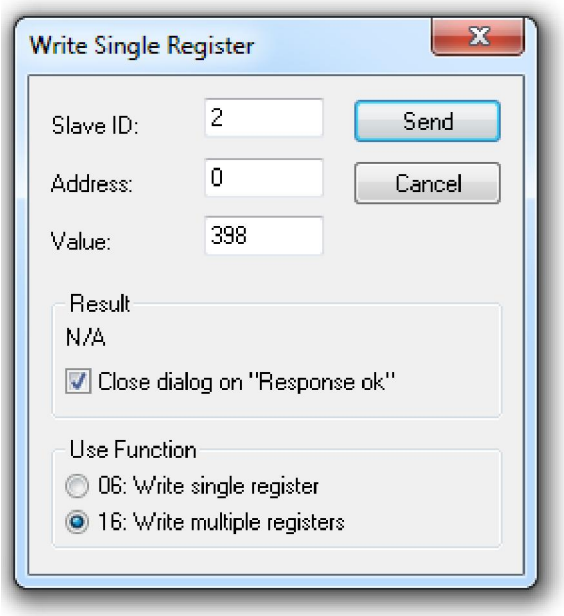
Overview

Modbus Poll uses a multiple windows user interface. That means you can open several windows showing different data areas or data from different slave ID's at the same time. You can write any text in the Alias cells.

In any dialog box you can press the F1 key for more help on that specific topic.



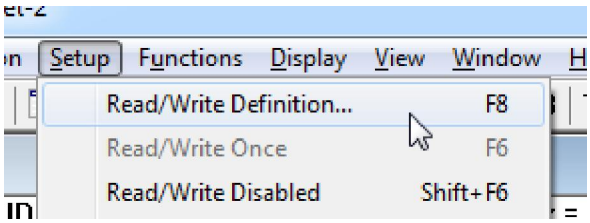
This picture shows two open windows one reading 10 holding registers from address 0 and one reading 10 holding registers from address 100.

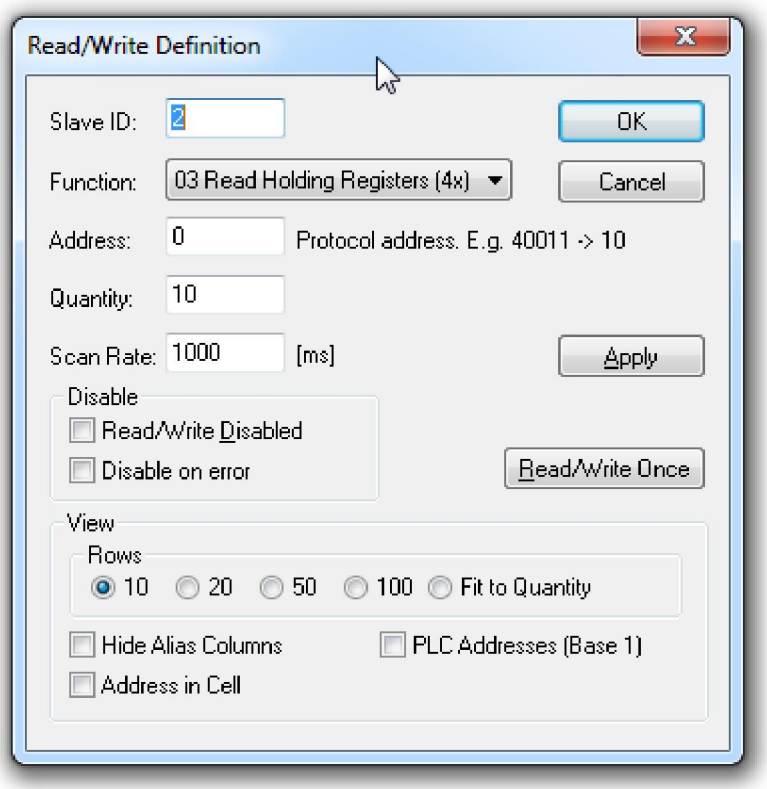


If your slave device allows you to change a Holding register then you double click the cell or just start typing a new value in the cell. Then an edit dialog box is shown.

Change the read/write definition

To change the read/write definition of a window you can press F8 or select “read/write definition” from the Setup menu.





Here you define which data to show in the window. This setup shows how to read 10 Holding Registers from address 0. Address 40001 in some protocol descriptions. Note that Modbus Poll uses Modbus addresses which always counts from 0.

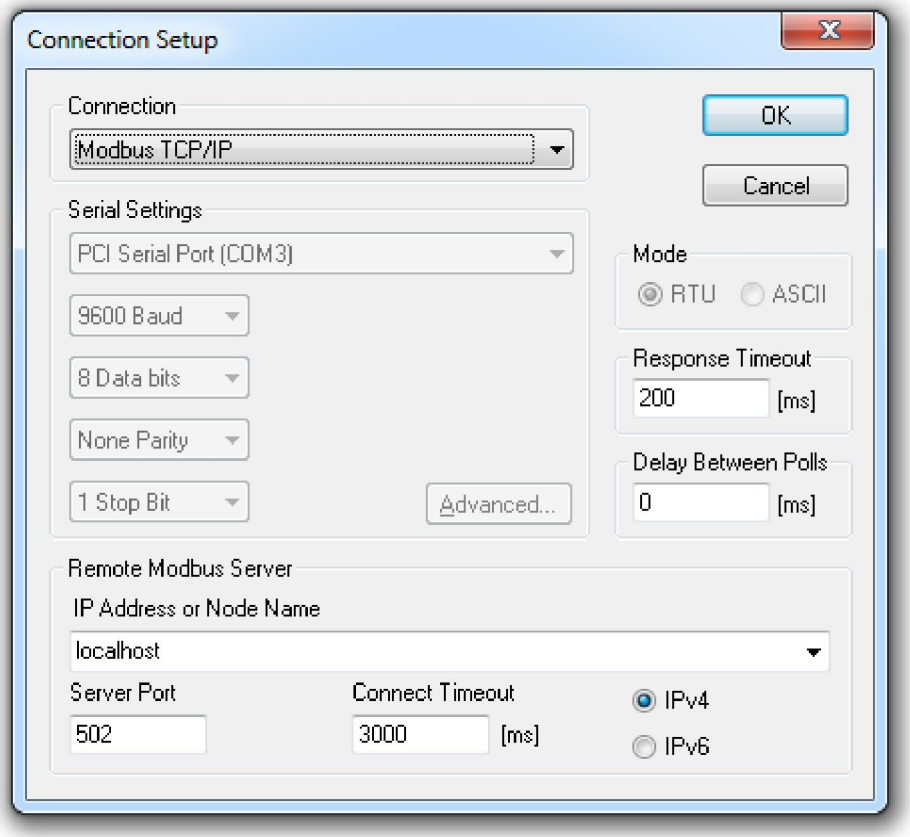
Device and MODBUS address ranges

Device address	MODBUS address	Description	Function	R/W
1...10000*	address - 1	Coils (outputs)	01	Read/Write
10001...20000*	address - 10001	Discrete Inputs	02	Read
40001...50000*	address - 40001	Holding Registers	03	Read/Write
30001...40000*	address - 30001	Input Registers	04	Read

* Maximum value is device dependent. If your protocol specify e.g. address 410501 you should select holding registers and address 10500.

How to make a connection

There is no data to display if you have not made a connection. To do so press F3 or select connect from the connection menu. For more detailed help press F1.



This connection uses a serial port for Modbus RTU communication.

5 different connection types are available however only 2 of them are standard Modbus connections:

- Serial port
- Modbus TCP/IP

For serial connection you may need an USB to RS485, or an RS232 to RS485 converter.

More features

- Log data to a text file
- Log data directly to Excel sheet
- View communication traffic
- Test center for test with custom test strings
- Display in many formats such as Hex, binary, float etc.

http://www.modbustools.com/