# DATEXEL LLC

# How to connect to a Modbus Current Transducer measure Current and Configure.

Set up the QI-50-V-485.

- 1. Change switch 4 to on and the remaining switches to off.
- 2. Only now, connect 24 Vdc to Power terminal 5 and GND to Terminal 1.
- 3. Connect RS485 to Terminal 3 and 4.

Download the Java software file from our web site. VERY IMPORTANT UPDATE YOUR JAVA SOFTWARE ON YOUR PC. OTHERWISE IT WILL NOT WORK.

#### The QI-50-V-485 is configured with Java Software.

- 1. Unzip the downloaded software.
- 2. Click the EXE file.



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			CON
Name	Date modified	Туре	Size
004	5/19/2019 8:27 PM	Configuration sett	1 KB
🖬 004_v121	2/2/2018 8:24 AM	Executable Jar File	700 KB
🖲 applogo	Type: Executable Jar File	PNG Image	11 KB
DE.LNG	Size: 699 KB	LNG File	4 KB
EN.Ing	7/14/2013 3:19 AW	LNG File	4 KB
History	2/2/2018 8:40 AM	Text Document	1 KB
IT.Ing	3/1/2018 5:56 AM	LNG File	4 KB

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Call 561 779 5660 for technical support.

# Start the Current to Modbus RTU Configuration Software.

- 1. After clicking the EXE file the Current to Modbus RTU configuration Software should open.
- 2. Click Next to proceed.

# Choose to Connect to the Current to Modbus slave.

It is possible to configure the software with or without connecting to the Current to Modbus Converter. As we are configuring the QI-50-V-485, we have connected the PC and the QI-50-V-485 with a RS485. Other buttons available on the software are Go to Start Page. This button returns you to the start page. Back takes you back one page at a time. Quit closes the software.

- 1. Turn on the power to the QI-50-V-485 Current to Modbus Slave.
- 2. Click the Connection by RS485 Cable button.

4. 004 v1.2.1 Actions			
°Q EED	FACILE QI-	50-V-485	
PUSH NEXT TO CONTINUE			
	www.qeed.it		
GO TO STARTING PAGE	BACK	QUIT	
WWW	datexel.c	om	

4 004 v1.2.1 Actions	
°Q EED	FACILE QI-50-V-485
	CONNECTION BY RS485 CABLE
	NO CONNECTION (OFFLINE)
	www.qeed.it
GO TO STARTING PAGE	BACK NEIT QUIT
WWW	.datexel.com

#### DIP Switch setting.

Only switch on DIP Switch 4. This sets up the QI-50-V-485 to Address 1, Baud-rate 2400, Monopolar and 50Amp range.

- 1. Make sure the power is on and the LED is on.
- 2. Click next.

#### Communication Port Setting.

- 1. The Qi-50-V-485 configuration software should automatically choose the correct serial port.
- 2. The port can be changed and updated.
- 3. Click the "Start Connection to the device" button.



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	FACILE	QI-50-V-4	185
SERIA	AL PORTS AVAILABLE		
сомз		- UPDATE	
	START CONNECTION TO THE DEVICE		
	www.qeed.it		
GO TO STARTING PAGE	BACK		QUIT

#### Configuration of the QI-50-V-485.

There are four options here.

LOAD CONFIGURATION FROM FILE. This can be used if you want to load the Modbus Current transducer settings from the PC. LOAD CONFIGURATION FROM DEVICE. This is used if you want to save the settings in the Modbus Current Transducer to the PC. NEW CONFIGURATION FROM DEFAULT PA-RAMETERS.

This is used if you want to set the Modbus Current Transducer to the factory defaults or other settings. CONNECTION TO THE DEVICE TO SHOW REAL TIME MEASUREMENTS.

Click here to read the actual current being measured by the Modbus Current Transducer.



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#### Reading the Current.

- RMS Current A. This is the actual current reading.
- Output Voltage. This is the corresponding voltage output if set to read 0-10V output.
- Totalizer Ah. Totals the Ah.
- Max Current. This is the Maximum Current reading.
- Min Current This is the Minimum Current reading.
- The Totalizer and Max/Min Current readings can be reset.
- The green indication boxes indicate good conditions.

#### Modbus Settings.

Here you can set up the Modbus Communication and other settings to match your plant, or reset to factory default settings.

Actions	
EED FAC	ILE QI-50-V-485
3.352 RMS CURRENT [A]	
670 OUTPUT VOLTAGE [mV]	
0.074 TOTALIZER [Ah]	0 CHANGE
5.65 MAX CURRENT [A]	
0.00 MIN CURRENT [A]	
SETTING FLASH EI CALIBRATION FLA OVER RANGE UNDER RANGE	RROR ASH ERROR
2400 Baud NO PARITY 8bit 1stopbit Delay	=1 File Tar : 181030145808
www.qee	ed.it
GO TO STARTING PAGE BACK	NEXT
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1004 v1.2.1 FW: 0.2.0 4 QI-50-V-485	
6004 v12.1 fW: 0.20 4 QE 50-V-485 Actions EED FAC	CILE QI-50-V-485
004 v12.1 FW: 0.2.0 4 Qt-50-V-485       Actions       EED       0 - Input Begin scale [A]	CILE QI-50-V-485 MODBUS ADDRESS
004 v121 FW: 020 4 Qt-50-V-485       Actions       0       0       1       0       1       50.0       1       1       50.0       1	CILE QI-50-V-485 MODBUS ADDRESS
004 v121 RW: 020 4 Q8-50-V-485       Actions       0       0       INPUT BEGIN SCALE [A]       0       0       0       INPUT BEGIN SCALE [A]       0	CILE QI-50-V-485 MODBUS ADDRESS 1 MODBUS BAUDRATE [BAUD]
004 v121 RW: 020 4 Qt-50-V-485       Actions       0       0       0       1NPUT BEGIN SCALE [A]       0	MODBUS ADDRESS 1 MODBUS BAUDRATE [BAUD] 2400
6004 v121 FW: 0204 QE-50-V-485       Actions       0       0       1NPUT BEGIN SCALE [A]       0	MODBUS ADDRESS 1 MODBUS BAUDRATE [BAUD] 2400 MODBUS PARITY
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Actions Control 21 PW: 020 4 Q6-50-V-485 Actions Control 50.0 Input Begin Scale [A] 0 O O OUTPUT Begin Scale [MV] 0 O OUTPUT END Scale [MV] 10,000 Control Figure 10,000 Control Figure 250 Cutoff [mA] FACTORY DEFAULT W W W . Q C CONTRACTIONS PAGE	MODBUS ADDRESS MODBUS BAUDRATE [BAUD] 2400 • MODBUS BAUDRATE [BAUD] 2400 • MODBUS PARITY MODBUS RESPONSE DELAY [MACHINE CYCLES] 1 *