

Nota Técnica

Assunto: *Realizar de leitura de tags pelo DAQ.*

Objetivo: Realizar a leitura de valores das Tags, através do protocolo Modbus no DAQ.

1 – INTRODUÇÃO

Esta nota visa descrever como configurar o DAQ, para realizar as leituras das Tags no protocolo Modbus.

O software DAQ, deve ser sempre o Master da Rede Modbus.

2 – PROCEDIMENTO

2.1 Clique em “Rela Time Viewer”

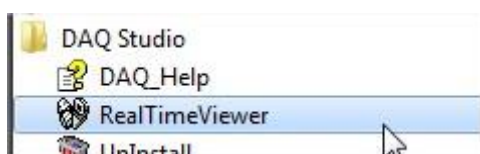


Figura 1

2.2 Em “File”, clique em “New”.

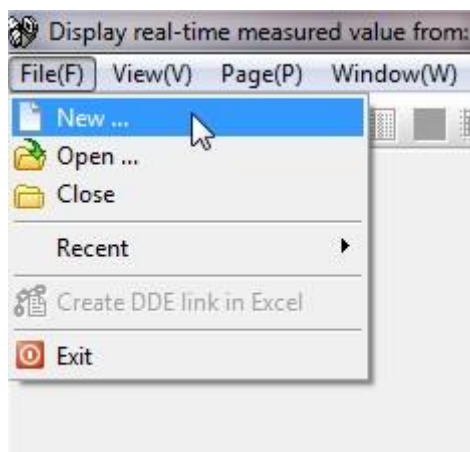


Figura 2

2.3 Clique em “Não”

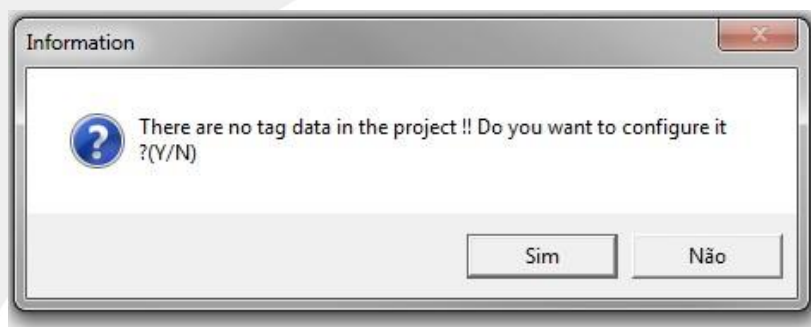


Figura 3

2.4 Clique em “Bank”

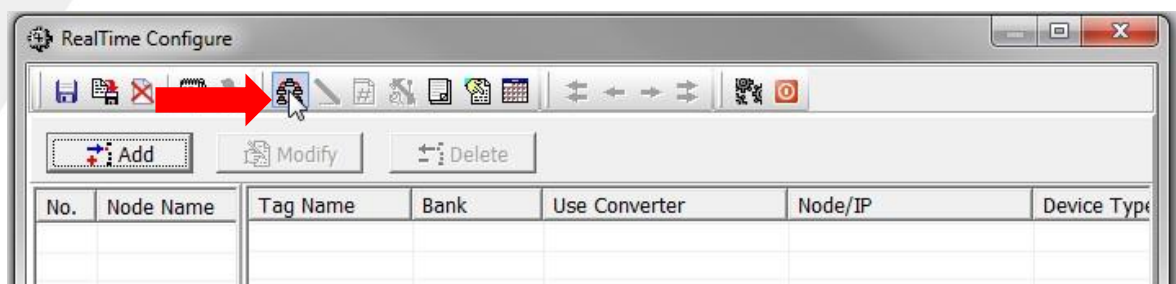


Figura 4

2.5 Selecione a aba “1” que corresponde ao Bank 1 e selecionamos o tipo de comunicação.

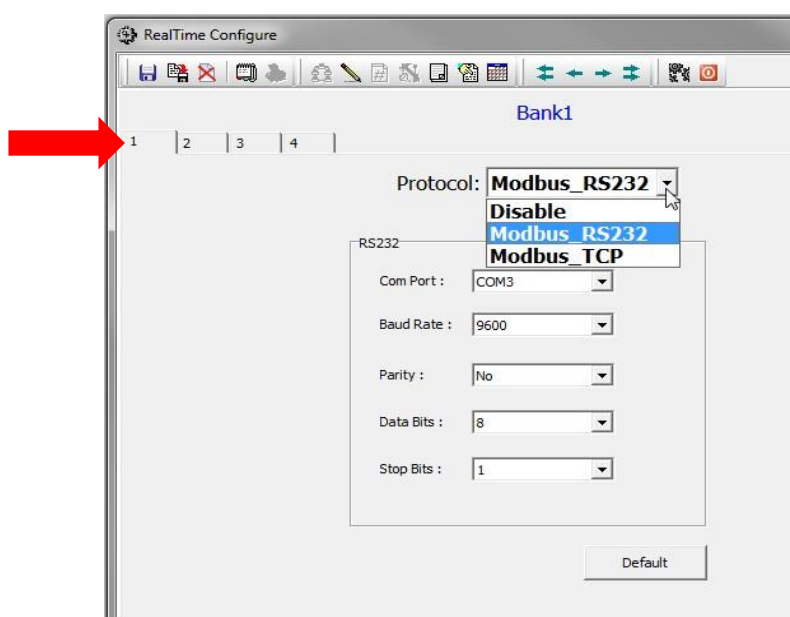


Figura 5

- 2.6 Configure a comunicação, no caso da porta "Serial" deve ser igual ao do Slave.
- 2.7 Depois clica em "Save".

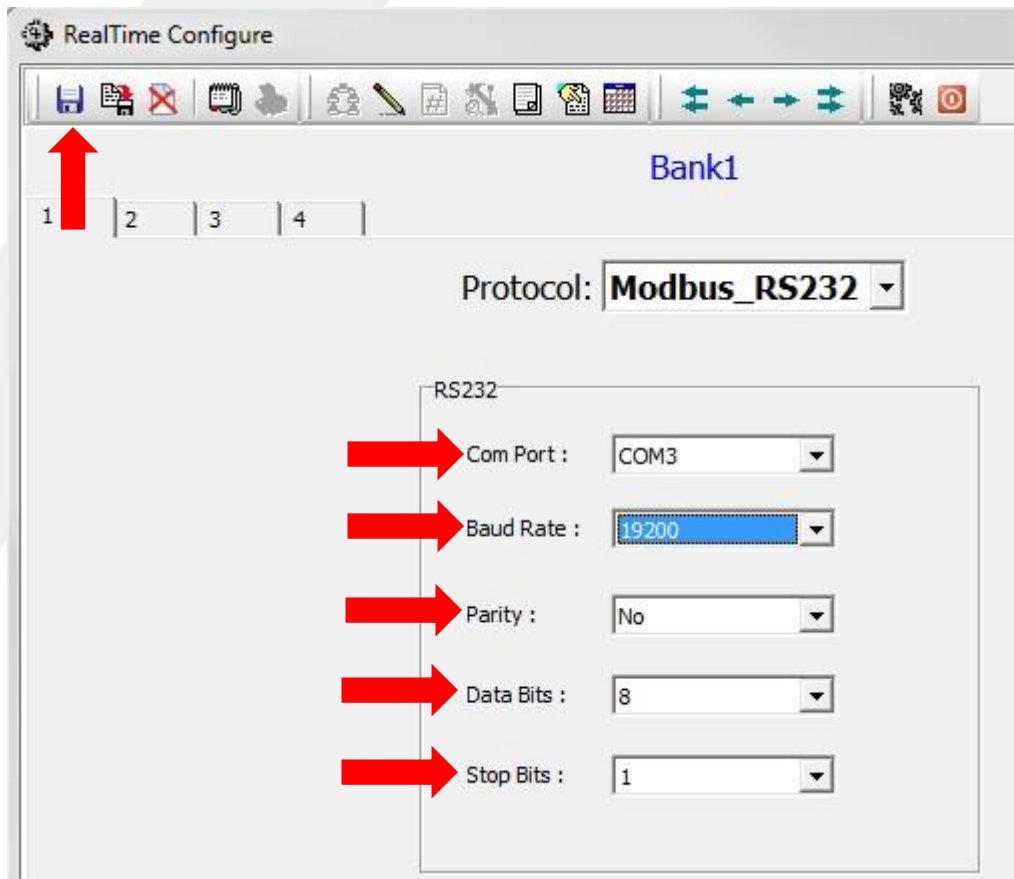


Figura 6

- 2.8 Clicar em "Channel"

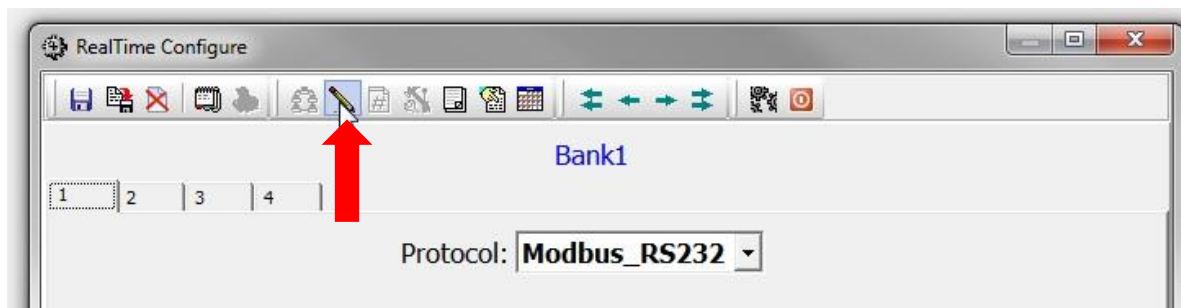


Figura 7

2.9 Clicar em “ADD”

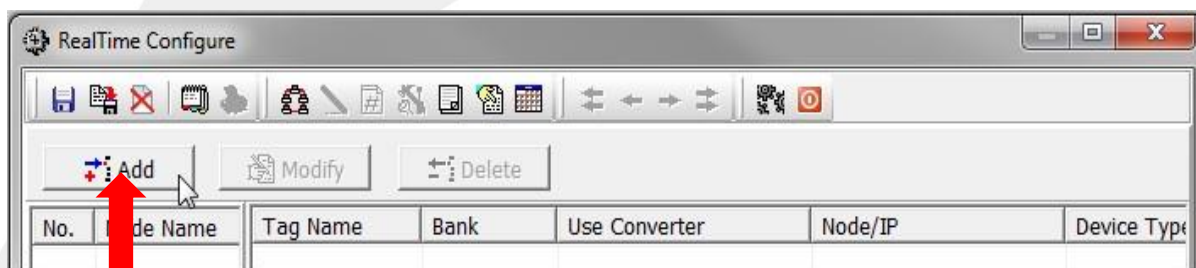


Figura 8

2.10 Em “Device Type” selecionar “Linear” e Bank “1”.

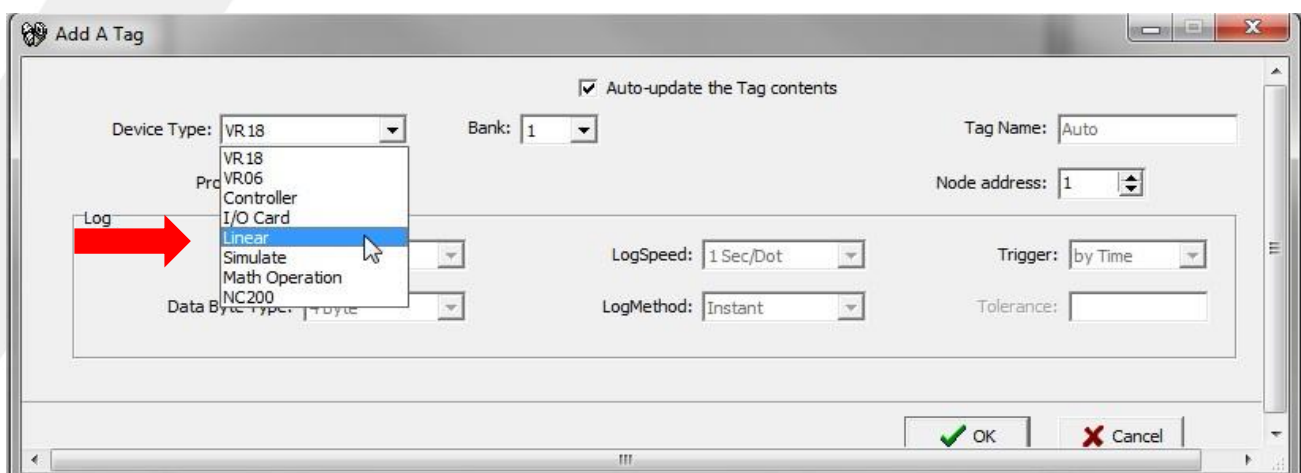


Figura 9

2.11 Configurando o "Channel"

- Colocar o nome da Tag.
- "Node address" e o ID Modbus.
- Register type (Read Hold Register 4xxxx).
- Data Type "Int 16".
- Starting Address – (ex: MI 40 = 40). Este endereço pode ser mais um ou menos um. Depende o endereçamento do SLAVE.
- Ajustar as outras configurações conforme a necessidade.
- Clicar em OK.

The screenshot shows the 'Modify Tag Data' dialog box with the following configuration:

- Device Type: Linear
- Bank: 1
- Tag Name: Tag1
- Node address: 2
- Protocol: Modbus_RS232
- Log: Type: Enable, LogSpeed: 1 Sec/Dot, Trigger: by Time, Data Byte Type: 2 Byte, LogMethod: Instant, Tolerance: (empty), Value Low: -32768, Value High: 32767, Decimal: 0, Gain: 1,000, Offset: 0,0
- Device: Register Type: Holding Register (4xxxx), Data Type: Int16, Starting Address: 40, Unit: (empty), Inverse: Enable
- Conversions: Type: Disable, Engineering Low: -3276,8, Engineering High: 3276,7, RAW Low: 0, RAW High: 65535
- Event/Alarm: Table with 5 rows and 5 columns (Type, SetPoint, Job1, Job2, Hysteresis). All values are 'No', '0', 'No Action', 'No Action', '0'.

Red arrows point to the following fields: Device Type, Bank, Tag Name, Node address, Register Type, Data Type, and Starting Address.

Figura 10

2.12 Depois de configurar as tags, clicar em “Save”.

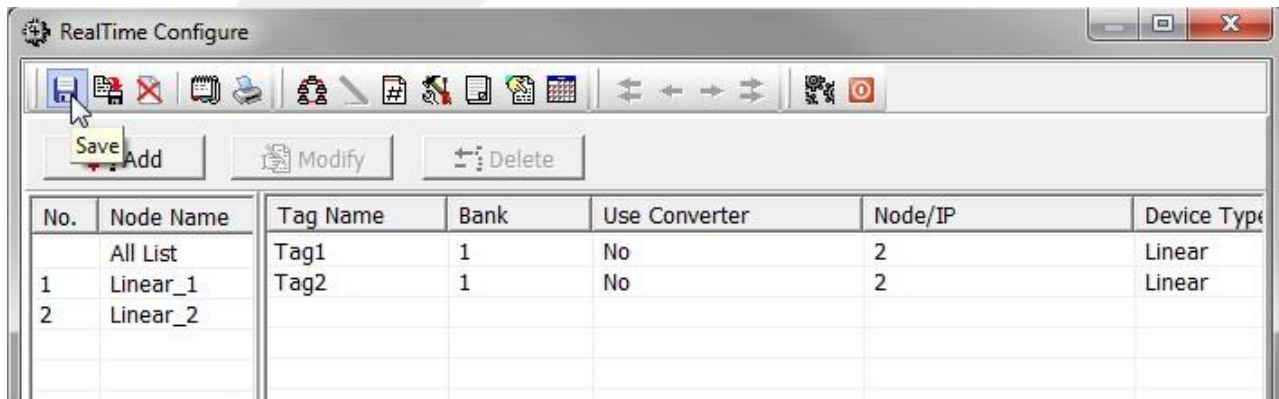


Figura 11

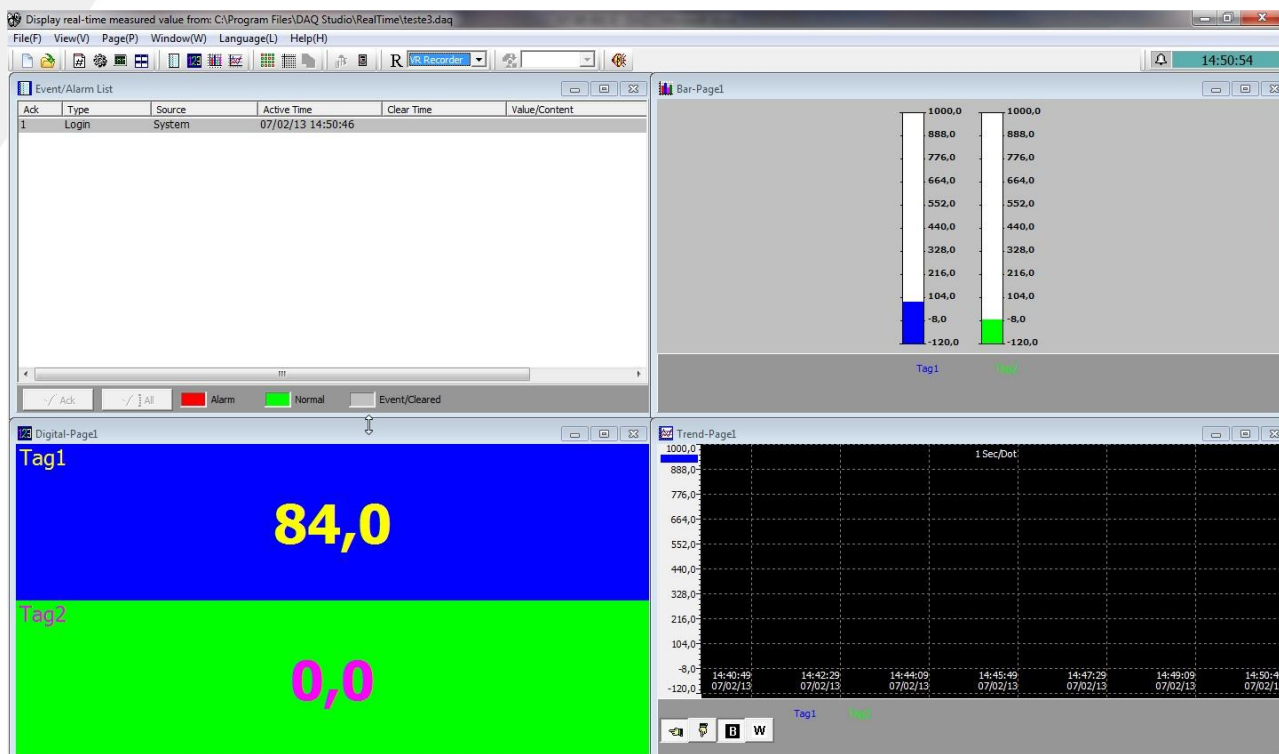


Figura 12