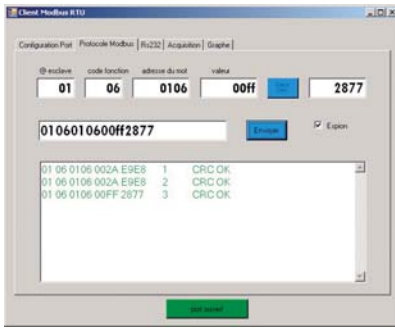




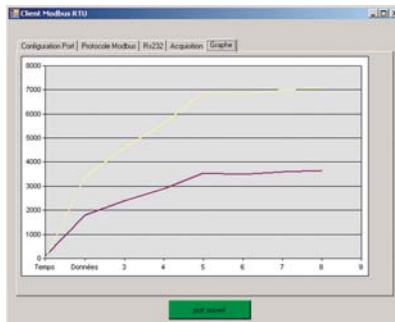
Model of modbus input/output communicating interface



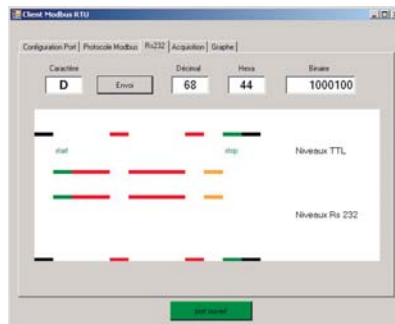
Creation of Modbus frames with display of slave responses.



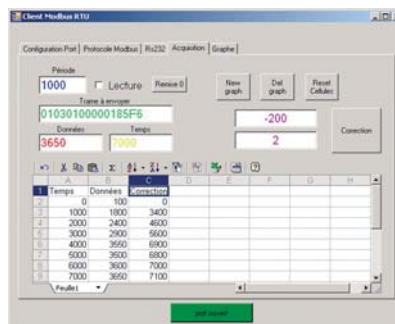
Communication configuration by real or virtual COM port (USB)



Display of Modbus measurement changes



Training of protocol RS232



Modbus cyclic acquisition of the model's analogue inputs



front view



back view

ref. MAQBUS

As communication between automated systems plays a major role in level 5 to level 1 tertiary and industrial training, this product (educational and one that can be integrated in automated systems) is particularly attractive.

The slave's adaptability makes it possible first of all to learn about the MODBUS protocol, which is widely used and highly educational by design. This model also offers the ability to reintroduce MODBUS frames, for integrating the slave into a network and ordering it to perform different tasks (I/O binary and analogue) by means of Schneider® PLC communication functions and others...

According to the Modbus RTU protocol, this field communication slave allows:

- displaying RS232 and RS485 signals and converting them
- using PLC communication functions: WRITE_VAR, EXCH...
- acquiring analogue quantities
- updating and interfacing protected binary inputs/outputs
- transparently analysing frames exchanged on the bus.
- @slave: 1 to 255; 8N1 format; 19200 and 9600 bps
- 3 5A-250V relay outputs
- 2 0-10V protected analogue inputs

The software delivered (XP, Vista, W7 compatible) makes it possible to:

- interact directly with the slave through a computer via the serial or USB port
- study the composition of the information in RS232 format
- communicate with other systems, such as a speed controller, a contact-starter, etc., to configure them and perfect their operations individually
- simulate a Modbus master in the event one does not have (or does not have enough of) a Modbus extension coupled to a PLC.
- acquire data from analogue inputs and present them in a grid and an Excel graph
- offer sensor calibration correction parameters.
- make up Modbus frames with the composition of the CRC16

Tutorials delivered with the model:

- RS232 bearing calibration
- interaction with and control of the model, an ATV 31, a TESYS contact
- Modbus communication functions of TSX and TWIDO APIs in uses requiring an ATV

Model delivered with a PC connection cord, the dialogue software with the model and the tutorials described above.

