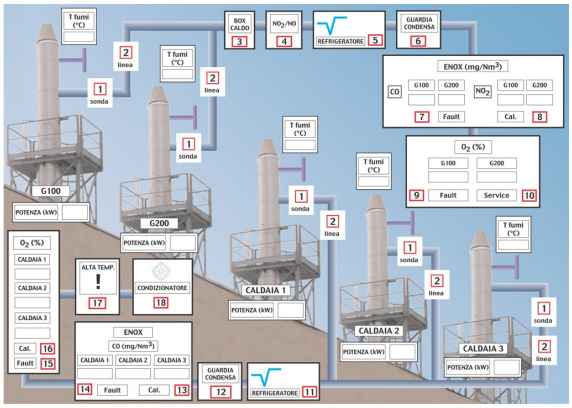
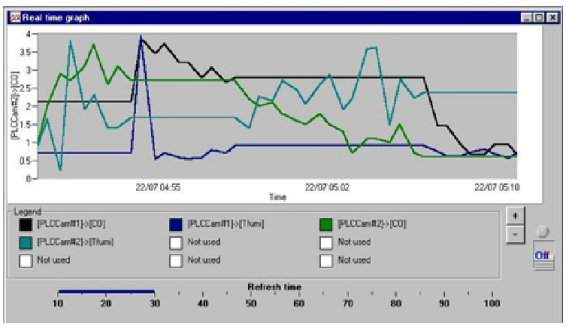
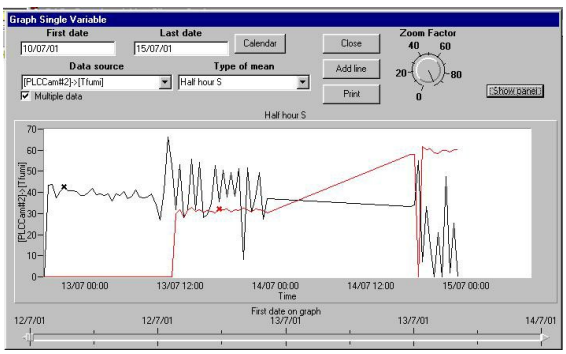
Data acquisition

DAS-DAC







- Advanced system, in compliance with the enforced Italian norms DPR 203 and DPR 21/12/95, composed from a SW server and one client usable from various remote or local PC.
- Average execution every half hour, hour, day, 48 hours, week month and year and presentation to video.
- Automatic execution of report every day, month and year compiled in text format for export facility and compatibility.
- Elaboration of alarm due to the overcoming of the parameters; presentation to video and prints of report selective based on the measure and to the positioning of the threshold.
- Calculation of the percentages of the valid measures and relative indication on the historical data.
- Real time diagrams of all the instantaneous measures trend with a historical maximum of one year.
- Averages trend based on all the types of carried out averages and their print out as requested from law.
- Values recalculated to the reference oxygen or as they are.
- Beyond to the analysis measures, the software can manage up to six correlated measures using the analog (4-20 mA) inputs which Enox and the Fer Strumenti Uplc, purposely shaped, are equipped (Point N.5, Attached 4 D.M. 12 July 1990).
- Custom set-up for every measures of the acquisition of name, unit of measure, low threshold and high threshold.
- Synoptic picture with the visualization of all the measures and states of the treatment and analysis on the plant P&I.

20038 SEREGNO (MI) - Via Ripamonti, 58 tel. +39 0362 231203 - Fax +39 0362 330349
www.fer-strumenti.com ferstrumenti@fer-strumenti.com

Data acquisition

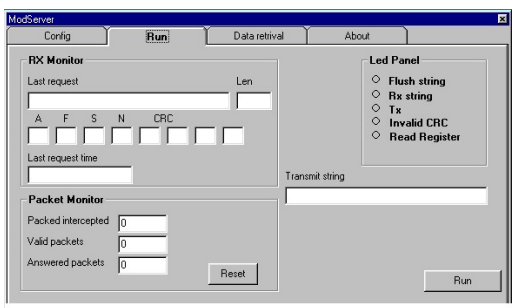
BL2020

- Data acquisition and elaboration according to the Italian law: D.M. 05.02.1998.
- PLC acquisition of analogical (4-20 mA) input referred to pollution and reference parameters and digital input carrying the status of operation of the instrumentation.
- Alphanumeric panel printer, 24 columns, printing on normal paper equipped with automatic wrap coil and paper collector.
- The acquisition work on a Fer Strumenti software resident on PLC which is programmed in factory and that contains the emission limits to be respected and the values of the parameters of reference (O2).
- The communication between the PLC and printing happens on a 232 serial connection.
- Using RS 485 PLC port the transmission can be sent to remote (until 800 mt) PC equipped with an additional 485 input card.
- Averages every half hour.
- Every day averages based on the half hours.

OPC Server & Bridge

- With a back plane mounted module and a Software (OPC server) on PC it is possible to make all analogical and digital variables of analysis systems as OPC 2.0 variable.
- Ideal solution in order to avoid the costs and the complexities of the choices hard-wired.
- Base variable configuration from 64 expansible.
- Connection via ethernet.
- Possibility of bridging towards DAS.

Mod-bus Server & Bridge



- Software to be installed on the acquisition PC for the rebroadcast of analogical and digital variables on Mod-bus RTU protocol.
- Simple and fast configurability thanks to XML file
- Configuration files validation.
- Ideal solution in order to avoid the costs and the complexities of the choices hard-wired.

20038 SEREGNO (MI) - Via Ripamonti, 58 tel. +39 0362 231203 - Fax +39 0362 330349
www.fer-strumenti.com ferstrumenti@fer-strumenti.com