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LSI LASTEM instruments configuration restore



1 Scope

Configuration instructions whenever a LSI LASTEM instrument has been updated to a firmware version not compatible with the previous firmware version. These instructions can be used even when instrument lost its configuration parameters.

Actually it can be usable with the following:

- DEA420 (*SignalTransducerBox*) models 01/02, version 1.00.01.
- DEA485 (*ModbusSensorBox*) model 01, version 1.04.00.

The need of a new configuration can be detected by a particular functioning of the instrument status led (see instrument user's manual) or by the missing serial number (replaced by "----"); in such cases the configuration data is lost and it is needed to operate as here described.

2 Requirements

The firmware update procedure requires LSI LASTEM *SBM (SensorBox Manager)* program; it requires *Microsoft.NET 3.5* framework; if this is not installed yet, search for it on Microsoft download site (www.microsoft.com/download).

Inquiry to LSI LASTEM the instrument calibration file, mentioning its serial number. This number is on the label outside the unit or on the bar code label inside.

3 Configuration procedure

- 1) Connect the unit to the PC serial port, also using the USB adapter. Check the serial port number on the list of the used devices on Windows *Control Panel*.
- 2) Start *SBM*.
- 3) Press the button *Comm. parameter* and define the used serial port number.
- 4) Switch-on the unit and, within 3 seconds, push on *Detect instrument* button. Information about model and version appears. If not, switch-off/on again the instrument and repeat the procedure.
- 5) Press the button *Load calibration* and select the configuration file supplied by LSI LASTEM.
Warning! Be sure to select the configuration file matching exactly the instrument serial number, otherwise the instrument will work but not giving the expected accuracy.
- 6) Press the button *Send configuration* and wait until the end of the procedure.
- 7) Only after the end of the configuration upload, press the button *Reset* or switch-off/on the instrument.
- 8) Within 3 seconds, press the button *Detect instrument*: when the correct serial number appears it means that the procedure is correct.
- 9) Setup the other instrument configuration parameters (serial comm. parameters, sample & elaboration, etc.) using its own methods (i.e. by using TTY menu).
- 10) Press the button *Measured values* and check if the measurement values are correct (if sensors are been connected).