CELL-tainer® Data Acquisition and Control Software
CS0HMI1 / CSOHMI2 / CSOHMI3 / CS2HMI1

CELL-tainer® DACS is developed CFR21 part 11 compliant which means this software can be used under GMP conditions. CELL-tainer® DACS is initiated to create a more user friendly data acquisition system for the CELL-tainer®; all settings for each parameter are shown and adjustable in one view. CELL-tainer® DACS is installed on a computer on top of, or close to, the CELL-tainer® and can be accessed and controlled by a computer in the network.
CELL-tainer® DACS has a two-level password protection (administrator and operator) and multiple users can be defined with each user having its own username and password. Also multiple CELL-tainers can be connected to one computer running CELL-tainer® DACS.
Offline data entry can be done during and after the run, because of this the offline data can also be plotted in the same graphical view. These graphs can be plotted by one click, however, the data which have to be plotted is customizable by selecting only the parameters you want in the graph. All the data of all the runs will be stored on the computer and for each of these runs, the data can separately be shown in graphs, tables or downloaded in files.
Next to this data presentation of previous runs, the data acquisition of the current run is real time saved on the computer running CELL-tainer® DACS and can be treated like data of previous runs.
All these features and improvements provide the user with an easier and more sophisticated system control.

Functional specifications Function	Specified
CELL-tainer® select	Multiple CELL-tainers connectable (up to 8)
Log in	- Administrator - Operator - Users definable
Adjustable setpoints	- Temperature - RPM - DO - pH inline - glucose inline - feed - filter heater
Alarms	- Above or below set deviation of setpoint - Sensor failure - Emergency button

Switch between strategies	- DO-rpm cascade - Base reduction (for concentrated alkaline) - Temperature compensation for pH - Room temperature controlled - Bag temperature controlled
Add offline data	- Viable cells - Viability - Glucose offline - Titer - pH offline - Customize additional parameters
Notes	- Add to timestamp
Read data	- 212 different tags - Excluding additional customizable offline parameters
Plot data	- Previous runs - Current run
Download data	- Save to .CSV file
Intervention	- Disables control via HMI - Enables control via CELL-tainer touchscreen
User activity	- Log on / log off - Confirm alarm - Offline data - Note - Intervention - Etc.
Configuration	- User configuration - CELL-tainer configuration - Offline data configuration
Minimal hardware requirements	- Windows XP or Windows 7 (32 bit or 64 bit) - 2 GHz Intel Dual core processor - 1 GB RAM - 320 GB Hard Disc

Articles:

CS0HMI1	CELL-tainer DACS software on customer PC for one CELL-tainer®
CS0HMI2	MODBUS license excl. PC
CSOHMI3	HMI license for additional CELL-tainer®
CS2HMI1	MODBUS license for connecting additional CELL-tainer®