



Pharmalogger software allows the user to effortlessly collect, display and analyze data. A variety of powerful tools provide the ability to calculate, report and print simple professional report.

## DATASHEET: PHARMASOFTWARE

### Characteristic & Benefits

- aids in compliance with **FDA 21 CFR Part 11** and **GxP guidelines**
- sophisticated user friendly web interface
- Time and cost saving validated system, stands up to interrogation from auditors
- audit trail and automatic data security

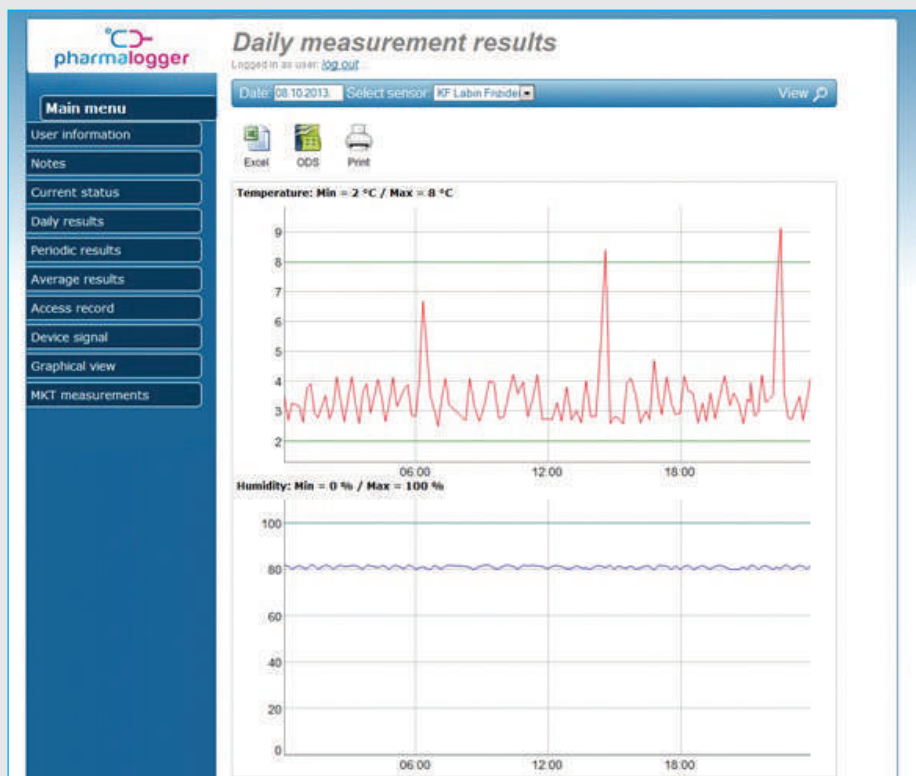
### Applications

- Pharmaceutical
- Laboratory
- Hospitals
- Transport vehicles
- Warehouses
- FDA regulated organisations
- Temperature Mapping

User management	Audit trail	Web based application	IQ/OQ/PQ protocols
<p>Two levels of access - administrator and user. Administrator has access to all security settings, while users only have access to real time monitoring and analyzing data.</p>	<p>Administrator has insight into all updates created by users, changes made in settings, sent and confirmed alarm messages.</p>	<p>Application can be accessed from any computer and smartphone running any operating system with any web browser</p>	<p>Provided independent testing of the hardware and software components, as well as integrated testing of the complete Pharmalogger system.</p>

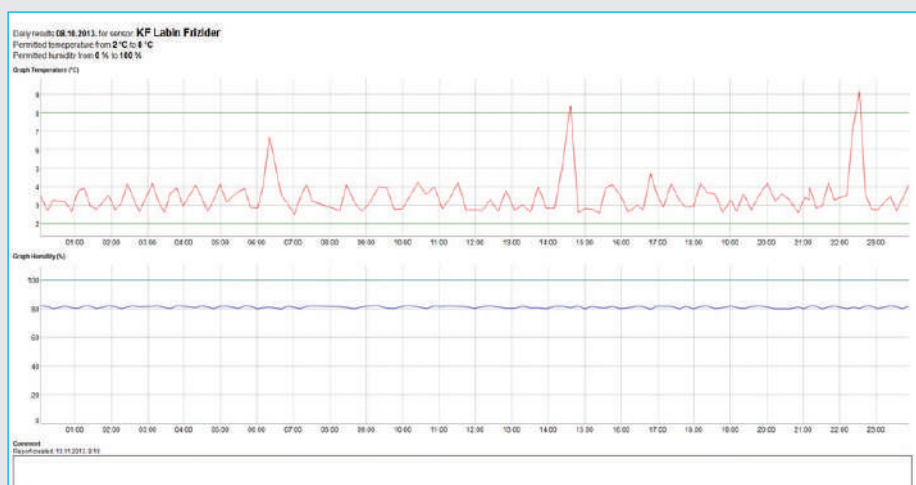
## Real time monitoring and data view

Graphs and data grids are allowing the user to quickly and easily get information about temperature and relative humidity result.



## Data export and automatic reports

Export function enables easy data analyses and generating automated 21 CFR Part 11 Regulatory compliance reporting.



## Pharmaceutical calculations & statistics

Software provides calculation as minimum, maximum and average measurement result on daily base, and MKT (Mean Kinetic Temperature) for the chosen time period.

**Average measurement results**

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Date from: 19.09.2013 Date to: 30.09.2013 sensor: alus1 View

Excel ODS Print

Temperatura: min 10 / max 40°C Humidity: min 0 / max 100%

Sensor	Time	Min Temp.	Max Temp.	Aver Temp.	Min Humidity	Max Humidity	Aver Humidity
alus1	03.09.2013	27.53°C	28.71°C	27.99°C	43.38%	52.50%	49.70%
alus1	04.09.2013	23.63°C	27.57°C	24.55°C	39.33%	52.59%	49.18%
alus1	05.09.2013	24.16°C	25.51°C	24.71°C	40.86%	52.58%	49.52%
alus1	06.09.2013	23.85°C	24.82°C	24.53°C	39.27%	52.55%	49.65%
alus1	15.09.2013	22.09°C	23.62°C	22.75°C	54.07%	56.20%	55.58%
alus1	20.09.2013	20.84°C	23.23°C	22.17°C	43.03%	55.98%	52.39%
alus1	21.09.2013	21.68°C	22.05°C	21.84°C	55.31%	56.54%	55.88%
alus1	22.09.2013	21.57°C	21.87°C	21.75°C	54.74%	56.84%	55.98%
alus1	23.09.2013	20.59°C	24.00°C	22.21°C	47.92%	56.72%	54.05%
alus1	24.09.2013	21.51°C	23.29°C	22.19°C	53.13%	57.49%	56.02%
alus1	25.09.2013	21.84°C	22.77°C	22.22°C	57.42%	60.63%	58.84%
alus1	26.09.2013	21.86°C	22.04°C	21.94°C	59.38%	59.60%	59.47%
alus1	30.09.2013	21.14°C	21.14°C	21.14°C	51.31%	51.31%	51.31%

pharmaLogger  
Version 2.1.01  
Released: 9.8.2013

**Recorded MKT**

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Date from: 19.09.2013 to: 30.09.2013 Select sensor: alus1 View

**Calculation MKT**

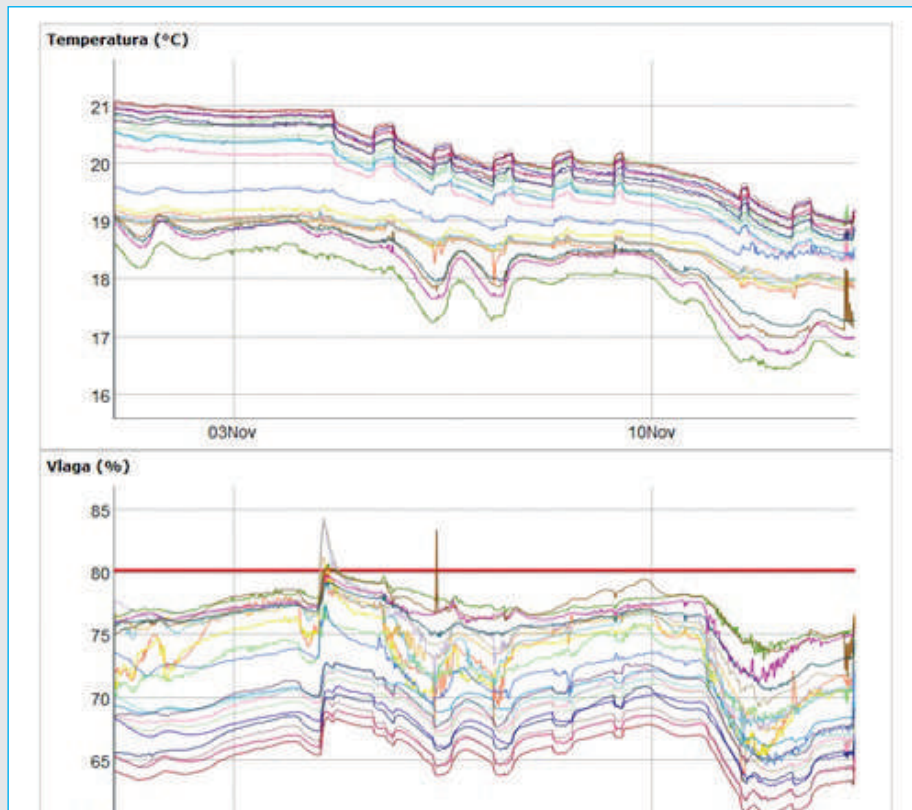
MKT: 22.13 °C  
MKT: 295.26 K  
Sample: 862 measurements

Time	Celsius	Kelvin
19.09.2013 11:31:06	22.68 °C	295.83 K
19.09.2013 11:41:49	22.71 °C	295.86 K
19.09.2013 11:52:10	22.78 °C	295.93 K
19.09.2013 12:02:28	22.81 °C	295.96 K
19.09.2013 12:12:44	22.82 °C	295.97 K
19.09.2013 12:23:09	22.85 °C	296.00 K
19.09.2013 12:34:47	22.95 °C	296.10 K
19.09.2013 12:44:54	22.95 °C	296.10 K
19.09.2013 12:55:11	22.89 °C	296.04 K
19.09.2013 13:05:33	22.95 °C	296.10 K
19.09.2013 13:15:53	22.95 °C	296.10 K
19.09.2013 13:26:13	23.05 °C	296.20 K
19.09.2013 13:36:29	23.13 °C	296.28 K
19.09.2013 13:46:53	23.18 °C	296.33 K
19.09.2013 13:57:44	23.15 °C	296.30 K
19.09.2013 14:08:28	23.1 °C	296.25 K
19.09.2013 14:19:07	23.13 °C	296.28 K
19.09.2013 14:30:00	23.29 °C	296.44 K
19.09.2013 14:40:21	23.36 °C	296.51 K
19.09.2013 14:50:43	23.59 °C	296.74 K
19.09.2013 15:01:03	23.59 °C	296.74 K
19.09.2013 15:11:32	23.57 °C	296.72 K
19.09.2013 15:21:51	23.37 °C	296.52 K
19.09.2013 15:32:11	23.45 °C	296.60 K
19.09.2013 15:42:33	23.57 °C	296.72 K
19.09.2013 15:53:01	23.62 °C	296.77 K
19.09.2013 16:03:23	23.62 °C	296.77 K
19.09.2013 16:14:11	23.54 °C	296.69 K
19.09.2013 16:24:22	23.28 °C	296.43 K

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## Multiple graph data

Recorded data from multiple sensors can be easily combined in a single graph by simply selecting monitored area or specific sensors.



## Real Time Alarm

Provides alarm notifications to cell phone, e-mail, or PC when temperature and/or humidity conditions exceed set thresholds.

