Pharmaceutical Net Pro Software
Data Management, Reporting, and Automation

**Benefits**
- Designed specifically for pharmaceutical environmental monitoring
- Integration and control of viable and non-viable sampling
- 21 CFR Part 11 compliant for high data integrity
- Ultimate efficiency and reduced error
- Simple installation and validation
- Flexible integration

**Features**
- Map for visual indication of viable, nonviable, and environmental status
- Configurable display
- Alarm notification and e-signature acknowledgement
- Configurable reports including audit, statistics, and trend reports
- Batch identifiers and data filters
- Automation of sample collection, driven by recipes
- Cubic-meter algorithms for nonviable data
- Volume-based or time-based viable sampling
- Remote data viewing and reporting

**Applications**
Monitoring of critical environments including:
- Filling lines
- Isolators and RABS
- Blow-Fill-Seal
- Lyophilizer processes and transfer carts
- Biosafety cabinets and flow hoods
- General cleanroom and facility monitoring

**Environmental Monitoring**
Pharmaceutical Net Pro software is a monitoring, reporting and management tool. By distributing the data processing to the FacilityPro® Processor, Pharmaceutical Net Pro delivers high reliability and data integrity. The software provides the interface for managing viable, nonviable, and environmental data, improving the efficiency of production operations and quality investigations.

**Industrial Automation Architecture**
The processor handles incoming data, while the software provides a visual interface for data management, display, and storage. System design ensures reliability and data integrity, while also promoting streamlined, simplified user controls.

The software offers intelligent features such as data mapping, alarming, reporting, and recipe-driven sampling. Up to five clients can be used for remote access and viewing of data.

*Without measurement there is no control*
**Hardware Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display Resolution</td>
<td>Minimum 1280 x 1024</td>
</tr>
<tr>
<td>Processor</td>
<td>Intel® Core Processor i3 2.2 GHz</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows® 10 64 bit OR Windows Server 2016 Standard 64 bit</td>
</tr>
<tr>
<td>RAM</td>
<td>Minimum 8 GB</td>
</tr>
<tr>
<td>Hard Disk C</td>
<td>1 TB (for OS)</td>
</tr>
<tr>
<td>Hard Disk D</td>
<td>1 TB (for Data)</td>
</tr>
</tbody>
</table>

**System Size**

<table>
<thead>
<tr>
<th>System Size</th>
<th>Particle and Microbial</th>
<th>Digital Input / Digital Output</th>
<th>Analog Input</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMALL</td>
<td>6 sensors</td>
<td>8 / 16</td>
<td>8</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>12 sensors</td>
<td>16 / 32</td>
<td>48</td>
</tr>
<tr>
<td>LARGE</td>
<td>128 sensors</td>
<td>64 / 128</td>
<td>192 (+ 32 virtual)</td>
</tr>
</tbody>
</table>

**System Architecture**

- **FacilityPro® Processor** (2 per SMART Server)
- **I/O Signals**
- **Alarms and I/O**
- **Cleanroom Sensors**
- **Server Network**
- **Sensor Network**
- **Client Network (maximum 5 clients)**
- **HMI-Clients**
- **Client Station**
**Feature Comparison**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Pharmaceutical Net Pro</th>
<th>FacilityPro SCADA NG Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viable / nonviable / environmental integration</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>21 CFR Part 11 compliant</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Facility map for data and status visualization</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Configurable display</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Alarm notification and e-signatures</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Configurable reports including audit, statistics, and trend reports</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Batch identifiers and data filters</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Automated sample collection, recipe-driven</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Cubic meter algorithms for nonviable data</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Volume-based or time-based viable sampling</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Client software for remote viewing and reports</td>
<td>Y (2 or 5)</td>
<td>Y (25 max)</td>
</tr>
<tr>
<td>Maximum number of FacilityPro Processors</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Built on GE Proficy iFIX SCADA and Historian DB</td>
<td>-</td>
<td>Y</td>
</tr>
<tr>
<td>Redundant servers</td>
<td>-</td>
<td>Y</td>
</tr>
<tr>
<td>Third-party PLC support</td>
<td>-</td>
<td>Y</td>
</tr>
<tr>
<td>Email software support</td>
<td>-</td>
<td>Y</td>
</tr>
<tr>
<td>Language support</td>
<td>English, French, German, Italian, Spanish, Portuguese, Swedish, Russian, Chinese (Simplified and Traditional), Korean, Japanese</td>
<td></td>
</tr>
</tbody>
</table>

- : not supported           y : supported

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