

# Facility Pro<sup>®</sup> Environmental Monitoring Systems

Data Processing and System Control

*The central hub for your real-time environmental monitoring activities*

*Without measurement there is no control<sup>®</sup>*

## Viable/Nonviable/Environmental Monitoring

The FacilityPro<sup>®</sup> processor provides the central hub for an environmental monitoring system. The processor communicates with cleanroom sensors, including particle and microbial monitors, while buffering data and checking tolerances for alarm activation.

## Industrial Automation Architecture

As a key component of industrial automation architecture, this embedded system offers high reliability as it controls samples and communicates with central software.

## Three Versions

FacilityPro processors are available in three versions, with varying features to support a range of system designs and applications:

- FacilityPro 5010
- FacilityPro 3010
- FacilityPro 1010

All three FacilityPro processors are compatible with Pharmaceutical Net Pro 6.0 or later



FacilityPro 1010



FacilityPro 3010



FacilityPro 5010

## BENEFITS

- 100% designed for pharmaceutical environmental monitoring
- Contamination control of viable and non-viable sampling
- High data integrity
- Flexible integration with complex network infrastructure
- Trustworthy solution with 50+ years of experience and thousands of systems actively running around the world
- Provided with a GAMP V category 4 software to enable agile system validation and commissioning

## FEATURES

- Compatible with either the FacilityPro SCADA server software, the FacilityPro SMART server module, or Pharmaceutical Net Pro 6.0
- Available in three versions: FacilityPro 5010, FacilityPro 3000 and FacilityPro 1000
- Dedicated Processor (DCS) handles incoming data and critical automation.
- PMS proprietary communication unlock reliable data buffer to eliminate data loss risk and ensure business continuity
- Modular design to ensure scalability

## 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

# Facility Pro<sup>®</sup> Environmental Monitoring Systems

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Specifications

## FacilityPro 5010

A fully-integrated solution for system control. Modules housed in a standard 19-inch rack.

### Processor Module

<b>DISPLAY</b>	6.5-in TFT LCD with resistive touchscreen
<b>DIMENSIONS (L, W, H)</b>	13.5 x 19.0 x 8.75 in (34.3 x 48.3 x 22.3 cm), 5U height
<b>WEIGHT</b>	34.5 lb (15.7 kg)
<b>POWER</b>	100 – 240 VAC, 50 – 60 Hz, 600 W
<b>OPERATING ENVIRONMENT</b>	Temperature: 39 – 104 °F (4 – 40 °C); non-condensing
<b>INPUTS/OUTPUTS*</b>	Up to 64 particle or microbial inputs 64 relay or digital outputs 32 digital input 24 analog inputs 0-10 VDC or 4-20 mA

### Sensor Module

<b>DIMENSIONS (L, W, H)</b>	8 x 19 x 7.0 in (20 x 48.3 x 17.8 cm), 4U height
<b>WEIGHT</b>	26.4 lb (12 kg)
<b>POWER</b>	100 – 240 VAC, 50 – 60 Hz, 240 W
<b>OPERATING ENVIRONMENT</b>	Temperature: 39 – 104 °F (4 – 40 °C); non-condensing
<b>SENSORS</b>	8 sensors, Airnet II or BioCapt

### Input/Output Module

<b>DIMENSIONS (L, W, H)</b>	12.0 x 19.0 x 7.0 in (30.5 x 48.3 x 17.8 cm), 4U height
<b>WEIGHT</b>	31.4 lb (14.2 kg)
<b>POWER</b>	100 – 240 VAC, 50 – 60 Hz, 240 W
<b>OPERATING ENVIRONMENT</b>	Temperature: 39 – 104 °F (4 – 40 °C); non-condensing
<b>INPUTS/OUTPUTS*</b>	64 relay or digital outputs 32 digital input 24 analog inputs 0-10 VDC or 4-20 mA

### Power Module

<b>DIMENSIONS (L, W, H)</b>	14.0 x 19.0 x 5.25 in (35.6 x 48.3 x 13.3 cm), 3U height
<b>WEIGHT</b>	22.3 lb (10.1 kg)
<b>POWER</b>	380–480VAC 3-ph, 50–60Hz and 100-240VAC, 50-60Hz
<b>OPERATING ENVIRONMENT</b>	Temperature: 39 – 104 °F (4 – 40 °C); non-condensing



\*the limits are based on product configuration.

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## FacilityPro 3010

A reliable data and I/O processor designed specifically for smaller systems.

<b>DIMENSIONS (L, W, H)</b>	6.2 x 19.0 x 13.2 in (15.8 x 48.3 x 33.5 cm)
<b>WEIGHT</b>	27.5 lb (12.5 kg)
<b>POWER</b>	100 – 240 VAC, 50 – 60 Hz, 350 W
<b>INPUTS/OUTPUTS*</b>	Up to 64 particle or microbial inputs 32 relay or digital outputs 16 digital input 8 analog inputs 0-10 VDC or 4-20 mA

*\*the limits are based on product configuration.*



## FacilityPro 1010

Data processor with no built-in I/O, designed to provide a reliable Ethernet interface to viable and nonviable sensors.

<b>DIMENSIONS (L, W, H)</b>	5.7 x 9.0 x 2.6 in (14.5 x 23.0 x 6.5 cm)
<b>WEIGHT</b>	2.5 lb (1.14 kg)
<b>POWER</b>	100 - 240 VAC (DC Power 12V - 36W)
<b>INPUTS/OUTPUTS*</b>	Up to 64 particle or microbial inputs

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## Feature Comparison

	FACILITYPRO 1010	FACILITYPRO 3010	FACILITYPRO 5010
<b>PARTICLE &amp; MICROBIAL POINTS PER PROCESSOR</b>	Up to 64 particle or microbial inputs	Up to 64 particle or microbial inputs	Up to 64 particle or microbial inputs
<b>DIGITAL OUTPUTS (SELECTABLE RELAY OR 24 VDC)</b>	-	32*	Up to 128 in processor (optional I/O module)
<b>DIGITAL INPUTS</b>	-	16*	Up to 64 in processor (optional I/O module)
<b>ANALOG INPUTS</b>	-	8*	Up to 192 in processor (optional I/O module)
<b>CUBIC METER ALGORITHMS</b>	✓	✓	✓
<b>TOLERANCE CHECKING</b>	✓	✓	✓
<b>RECIPE-DRIVEN SAMPLING</b>	✓	✓	✓
<b>DATA BUFFER</b>	✓	✓	✓
<b>SCALABILITY</b>	✓	✓	✓
<b>CENTRALIZED PUMP CONTROL</b>	-	-	✓
<b>MICROBIAL MONITORING WITH CENTRAL VACUUM</b>	-	-	✓

\*the limits are based on product configuration.

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