

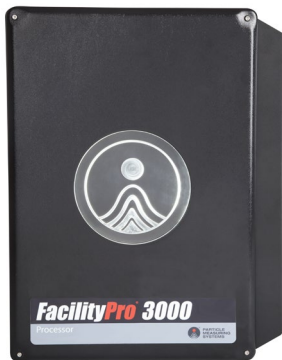
# FacilityPro<sup>®</sup> Processors

Data Processing and System Control

Without measurement there is no control.



FacilityPro 1000



FacilityPro 3000



FacilityPro 5000

## BENEFITS

Designed specifically for pharmaceutical environmental monitoring

- Integration and control of viable and non-viable sampling
- High data integrity
- Ultimate efficiency and reduced error
- Simple installation and validation
- Flexible integration

## 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

## Viable/Nonviable/Environmental Monitoring

The FacilityPro 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 5000
- FacilityPro 3000
- FacilityPro 1000

All three FacilityPro Processors are compatible with either the FacilityPro SCADA server software or the FacilityPro SMART server module. The FacilityPro 1000 Processor is also suitable for OEM applications, providing an integration path between Particle Measuring Systems sensors and third-party software platforms.

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## FacilityPro 5000

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>Processor</b>	AMD Geode LX800 (500 MHz)
<b>Operating System</b>	Windows XP Embedded
<b>Dimensions (l, w, h)</b>	13.3 x 19.0 x 8.75 in (33.8 x 44.2 x 22.2 cm), 5U height
<b>Weight</b>	44 lb (20 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

### Airnet<sup>®</sup> II Module

<b>Dimensions (l, w, h)</b>	13.8 x 19.0 x 7.0 in (35.1 x 48.3 x 17.8 cm), 4U height
<b>Weight</b>	40.0 lb (18.1 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

### BioCapt<sup>®</sup> Module

<b>Dimensions (l, w, h)</b>	11.6 x 19.0 x 5.25 in (29.5 x 48.3 x 13.3 cm), 3U height
<b>Weight</b>	30.0 lb (13.6 kg)
<b>Operating Environment</b>	Temperature: 39 – 104 °F (4 – 40 °C); non-condensing

### I/O 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>	27.5 lb (12.5 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>	16 relay or digital outputs (configurable) 8 digital inputs 24 analog inputs; 0 – 10 VDC or 4-20mA (optional)

### 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>	15.5 lb (7.0 kg)
<b>Power</b>	460–480VAC 3-ph, 50–60Hz and 100-240VAC, 50-60Hz
<b>Operating Environment</b>	Temperature: 39 – 104 °F (4 – 40 °C); non-condensing



# FacilityPro<sup>®</sup> Processors

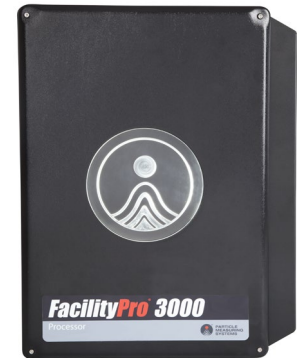
Data Processing and System Control

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## FacilityPro 3000

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

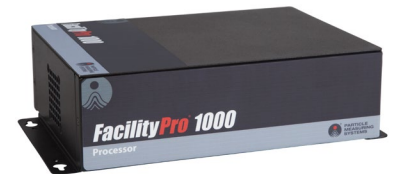
<b>Processor</b>	Intel Atom N455 (1.66 GHz)
<b>Operating System</b>	Windows XP Embedded
<b>Dimensions (l, w, h)</b>	6.2 x 19.0 x 13.2 in (15.8 x 48.3 x 33.5 cm)
<b>Weight</b>	27.5 lb (12.5 kg)
<b>Power</b>	100 – 240 VAC, 50 – 60 Hz, 350 W
<b>Inputs/Outputs</b>	16 relay or digital outputs (configurable) 8 digital inputs 8 analog inputs, 0 – 10 VDC or 4-20mA (optional)



## FacilityPro 1000

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

<b>Processor</b>	Intel Atom N455 (1.66 GHz)
<b>Operating System</b>	Windows XP Embedded
<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>	120 VDC, 1.5 A
<b>Inputs/Outputs</b>	None (via ENODE <sup>®</sup> interface)



# FacilityPro® Processors

Data Processing and System Control

## Feature Comparison

	FacilityPro 1000	FacilityPro 3000	FacilityPro 5000
<b>Particle &amp; microbial points per Processor</b>	8, 16, 32 (groups of 8)	16 (8 particle, 8 microbial)	32 (groups of 8)
<b>Digital outputs</b> (selectable relay or 24VDC)	0	16	64 (groups of 16)
<b>Digital inputs</b>	0	8	32 (groups of 8)
<b>Analog inputs</b> (optional)	0	8	96 (groups of 24)
<b>ENODE support</b>	X		
<b>Cubic meter algorithms</b>	X	X	X
<b>Tolerance checking</b>	X	X	X
<b>Recipe-driven sampling</b>	X	X	X
<b>Data buffer</b>	X	X	X
<b>Real-time microbial monitoring</b>			X
<b>Vacuum and air flow control</b>			X
<b>Microbial monitoring with central vacuum</b>			X

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