



**PARTICLE
MEASURING
SYSTEMS®**

a spectris company

Without measurement there is no control®

Facility Monitoring System (FMS)

*Configurations & Spare Parts
with Part Numbers*

Airnet® II Particle Sensors

Remote Aerosol Particle Counter, ideal for FacilityPro®, Pharmaceutical and Facility Net® monitoring systems.

(No Power Supply provided for any of these Airnet Particle Sensors)

Airnet® II 510 Particle Sensor

Airnet II 510 Sensor P/N 102507-0000

Airnet II 510 Sensor P/N 102507-0009
with ISO 17025 Calibration

Airnet II 510 Sensor P/N 102507-0010
with 4-20mA Output

Airnet® II 510s Particle Sensor

Airnet II 510s Sensor P/N 102507-3000
with Stainless Steel Enclosure

Airnet® II 510s XR Particle Sensor

Airnet II 510s XR Sensor P/N 102509-3000
with Stainless Steel Enclosure

Airnet® II 510 XR Particle Sensor

Airnet II 510XR Sensor P/N 102509-0000
with Stainless Steel Enclosure

Airnet II 510XR Sensor P/N 102509-0009
with ISO 17025 Calibration

Airnet II 510XR Sensor P/N 102509-0010
with 4-20mA Output



Alarm Beacons

Device for visual and audible alarms, typically mounted on production lines or machines. They consist of vertically stacked lights to indicate the status of the equipment or processes.



Alarm Tower Lights with built-in siren
4 colors

P/N 1000023769



Alarm Tower Light with buzzer
3 Colors

P/N 1000023770



Alarm Tower Light with buzzer
1 Color

P/N 1000030011



Alarm Tower Light with buzzer
2 Colors

P/N 1000030012

BioCapt® Adjustable Height Microbial Impactor Heads

The Biocapt® Adjustable Height Microbial Impactor series is designed for compatibility with Facility Pro®, Minicapt® microbial air samplers, or other controlled flow systems. These impactors offer high collection efficiency due to their 20 radial slits in the 316L stainless steel impactor. The compact design ensures easy installation in various settings, and the adjustable height feature provides flexibility in use. Each model is fully autoclavable, ensuring hygiene and re-usability.

25-50 LPM - 3/4 Barb Side Outlet P/N 790018-0005

100 LPM - 3/4 Barb Side Outlet P/N 790018-0105



25-50 LPM - 3/4 Tri-Clamp Outlet P/N 790018-0010

100 LPM - 1/2 Tri-Clamp Outlet P/N 790018-0110



25-50 LPM - Mushroom Base P/N 790018-0020

100 LPM - Mushroom Base P/N 790018-0120



Biocapt® Light Weight Microbial Impactor

The Biocapt® Light Weight Microbial Impactor series is designed for use with Facility Pro®, Minicapt® microbial air samplers, or other controlled flow systems. These impactors are known for their high collection efficiency, facilitated by the 20 radial slits in the 316L stainless steel impactor, ensuring precise and reliable microbial sampling. The small dimensions of these impactors make installation easy, even in space-constrained environments. Each model in the series is fully autoclavable, ensuring ease of sterilization and reusability.



BioCapt Light Weight Impactor P/N 790017-0000
Barb Fitting 10mm Hose Barb Side



BioCapt Light Weight Impactor P/N 790017-0010
Triclamp 3/4 Inch, Fitting Side

BioCapt Light Weight Impactor P/N 790017-0210
Pinset 12, Triclamp 3/4 Inch Fitting Side



BioCapt Light Weight Impactor P/N 790017-0020
Mushroom, Triclamp 3/4 Inch Fitting Bottom

Biocapt® Single Use Microbial Impactor Adapters



**Horizontal Mounting Bracket for BioCapt® Single Use -
3/4" Tri-Clamp**

P/N 90790060



BioCapt Single-Use Mushroom Cap Adapter

P/N 90790063



Digital Sensors

Environmental Sensors equipped to support real-time control of critical conditions, ensuring compliance with stringent regulatory standards and safeguarding product integrity.

Combined Temperature & Humidity Sensor
(4-20mA)

P/N 1000022627

Temperature Sensor
(4-20mA)

P/N 1000030021

Humidity Sensor
(4-20mA)

P/N 1000030022



Differential Pressure Sensor P/N 1000022628
(4-20mA)

Air Velocity Sensor P/N 1000030020
(4-20mA)

Ethernet Switch

Rack mounting Ethernet Switch with RJ45 connection

16 Port Ethernet Switch POE P/N 1000023210



24 Port Ethernet Switch POE P/N 1000023211



48 Port Ethernet Switch POE P/N 1000023212



24 Port Ethernet Switch P/N 1000023213



10 Port Ethernet Switch POE++ P/N 1000027330



Power Injector PoE P/N 1000026019

*The injector power supply compatible
with single port IEEE802.3bt Power
over Ethernet technology.*

FacilityPro® Processor Modules

FacilityPro® 1010 Processor Module

The FacilityPro™ 1010 Processor Module is a core component of the FacilityPro system, specifically designed for environments that require monitoring without the need for digital or analog signals. This module supports up to 64 non-viable or viable sensors, making it ideal for applications focused on particle counting and environmental monitoring.



FacilityPro 1010 Processor Module
P/N 441501-0000

FacilityPro® 3010 Processor Module

The FacilityPro™ 3010 Processor Module is the essential core component of the FacilityPro system, designed to control various sensor inputs and outputs. It is available in both wall and rack-mounted configurations, supporting up to two Digital I/O boards with varying input and output capacities. The module can manage up to 64 non-viable sensors and/or viable sensors, and offers optional analog input support for up to 8 signals (4-20mA / 0-10V). It provides flexible digital I/O configurations, including 8 to 16 digital inputs and 16 to 32 digital outputs, depending on the configuration chosen.



FacilityPro 3010 Processor Modules:

Wall Mount

P/N 441503-0000

Wall Mount with Analog I/O's

P/N 441503-0001

Wall Mount with two Digital I/O's

P/N 441503-0002

Rack Mount

P/N 441503-1000

Rack Mount with Analog I/O's

P/N 441503-1001

Rack Mount with two Digital I/O's

P/N 441503-1002

FacilityPro® 5010 Modules

FacilityPro 5010 I/O Processor Modules:

The FacilityPro™ 5010 I/O Module is configurable with up to four types of inputs/outputs, requiring at least one Digital board. It supports various combinations, including Digital Inputs, Digital/Relay Outputs, and Analog Inputs (4-20mA/0-10V). The module includes a built-in 5A supply for loop power and must be connected to a FacilityPro-5010 Processor Module. Configurations range from 8 to 32 Digital Inputs, 16 to 64 Digital/Relay Outputs, and up to 24 Analog Inputs. It operates on 100-120 VAC or 220-240 VAC.



8 Digital Input/16 Digital Output

P/N 445500-1000

8 Digital Input/16 Digital Output/8 Analog Input

P/N 445500-1100

8 Digital Input/16 Digital Output/16 Analog Input

P/N 445500-1200

8 Digital Input/16 Digital Output/24 Analog Input

P/N 445500-1300

16 Digital Input/32 Digital Output

P/N 445500-2000

16 Digital Input/32 Digital Output/8 Analog Input

P/N 445500-2100

16 Digital Input/32 Digital Output/16 Analog Input

P/N 445500-2200

24 Digital Input/48 Digital Output

P/N 445500-3000

24 Digital Input/48 Digital Output/8 Analog Input

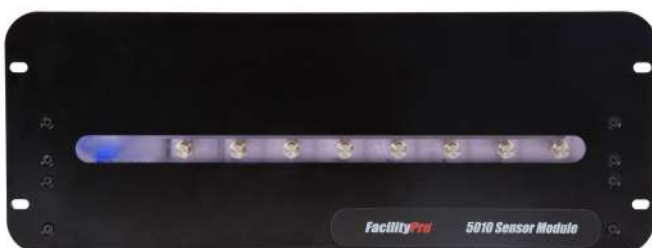
P/N 445500-3100

32 Digital Input/64 Digital Output

P/N 445500-4000

FacilityPro 5010 I/O Sensor Modules:

FacilityPro™ 5010 Sensor Module provides vacuum manifold for up to eight sensors (Airnet II - Bio-Capt). A FacilityPro 5010 Processor module must be connected to the FacilityPro 5010 Sensor module. Requires 100-120VAC or 220-240VAC.



FacilityPro 5010 Sensor Module

P/N 443500-0000

FacilityPro 5010 Power Modules:

The FacilityPro™ 5010 Power Module supplies 3-phase power to central vacuum pumps and distributes 1-phase AC power to system modules. It supports both 100-120VAC and 220-240VAC systems, with current ratings ranging from 6A to 32A. Essential for systems with the Sensor Module, Airnet® II, BioCapt®, and full vacuum management, it ensures stable power distribution in various FacilityPro setups. Some models are UL listed.



2 Pump 100-120 VAC, 12 Amp,3 Phase

P/N 442500-1002

4 Pump 100-120 VAC

P/N 442500-1004

2 Pump, 100-120 VAC,13-18 Amp, 60 Hz

P/N 442500-1102

2 Pump,100-120 VAC, 13-18 Amp, 60 Hz, UL Listed,Std

P/N 442500-1112

2 Pump, 100-120 VAC, 6-10 Amp,3 Phase

P/N 442500-1202

2 Pump, 100-120 VAC, 24-32 Amp

P/N 442500-1302

2 Pump, 100-120 VAC, 24-32 Amp, UL Listed

P/N 442500-1312

2 Pump, 220-240 VAC, 9-14 Amp, 3 Phase

P/N 442500-2002

4 Pump, 220-240 VAC, 4.5 - 6.3 Amp, 3 Phase

P/N 442500-2004

4 Pump, 220-240 VAC, 6-10 Amp, 3 Phase

P/N 442500-2202

2 Pump, 220-240 VAC, 24-32 Amp

P/N 442500-2302

FacilityPro 5010 Processor Modules:

The FacilityPro™ 5010 Processor Module is the essential core of the FacilityPro system, designed to handle up to eight (8) sensor modules and seven (7) I/O modules, supporting any combination of Digital I/O or Analog boards. The Processor Module is configurable with varying levels of digital inputs/outputs and analog inputs. It can manage up to 32 digital inputs and 64 digital outputs (depending on configuration), and up to 24 analog inputs for 4-20mA or 0-10V signals. The module also supports up to four internal Digital or three Analog boards, with the ability to connect internal pump sensors via virtual modules through Ethernet. Available in configurations ranging from 8 Digital Inputs/16 Digital Outputs to 32 Digital Inputs/64 Digital Outputs, and with options for additional analog inputs.



(Note: All Modules below are 100 - 240 VAC)

8 Digital Input/16 Digital Output

P/N 441500-1000

8 Digital Input/16 Digital Output/8 Analog Input

P/N 441500-1100

8 Digital Input/16 Digital Output/16 Analog Input

P/N 441500-1200

8 Digital Input/16 Digital Output/24 Analog Input

P/N 441500-1300

100-24 VAC, 16 Digital Input/32 Digital Output

P/N 441500-2000

16 Digital Input/32 Digital Output/8 Analog Input

P/N 441500-2100

16 Digital Input/32 Digital Output/16 Analog Input

P/N 441500-2200

24 Digital Input/48 Digital Output

P/N 441500-3000

24 Digital Input/48 Digital Output/8 Analog Input

P/N 441500-3100

32 Digital Input/64 Digital Output

P/N 441500-4000

IsoAir® Particle Counters

IsoAir® Enclosure



IsoAir Enclosure, 1 CFM, Small P/N 90102571

IsoAir® Pro-E Particle Counter

*Remote Aerosol Particle Counter,
ideal for FacilityPro®, Pharmaceutical
and Facility Net® monitoring systems.*



IsoAir Pro-E P/N 102678-0000
no power injector

IsoAir Pro-E P/N 102678-0009
*no power injector
with ISO 17025 calibration*

IsoAir Pro-E P/N 102678-1000
with power injector

IsoAir Pro-E P/N 102678-1009
*with power injector
with ISO 17025 calibration*

IsoAir® Pro-Plus Particle Counter

*Remote Aerosol Particle Counter, ideal for FacilityPro®,
Pharmaceutical and Facility Net® monitoring systems.*



IsoAir Pro-Plus, 110-240 VAC P/N 102678-2000

IsoAir Pro-Plus, 24 VDC P/N 102678-3000

IsoAir Pro-Plus, 110-240 VAC P/N 102678-2009
with ISO 17025 calibration

IsoAir Pro-Plus 24VDC P/N 102678-3009
with ISO 17025 calibration

IsoAir Pro-Plus, 110-240 VAC P/N 102678-2010
with WiFi

IsoAir Pro-Plus 24VDC P/N 102678-3010
with WiFi

IsoAir Pro-Plus, 110-240 VAC P/N 102678-2019
with Wifi and ISO 17025 calibration

IsoAir Pro-Plus 24VDC P/N 102678-3019
with WiFi and ISO 17025 calibration

IsoAir Pro-Plus, 110-240 VAC P/N 102678-2100
with AI/DI/DO

IsoAir Pro-Plus 24VDC P/N 102678-3100
with AI/AO/DO

IsoAir Pro-Plus, 110-240 VAC P/N 102678-2109
with AI/DI/DO and ISO 17025 calibration

IsoAir Pro-Plus 24VDC P/N 102678-3109
with AI/AO/DO and ISO 17025

IsoAir Pro-Plus, 110-240 VAC P/N 102678-2110
with AI/DI/DO and WiFi

IsoAir Pro-Plus 24VDC P/N 102678-3110
with AI/DI/DO and WiFi

IsoAir Pro-Plus, 110-240 VAC P/N 102678-2119
with AI/DI/DO, WiFi, and ISO 17025 calibration

IsoAir Pro-Plus 24VDC P/N 102678-3119
with AI/AO/DO, WiFi, and ISO 17025 calibration

Remote Microbial Sampler,
ideal for use with Particle Measuring
Systems FacilityPro® monitoring systems.

MiniCapt® Pro-E Particle Counter



MiniCapt Pro-E 25 LPM P/N 790049-0025
POE without NFC

MiniCapt Pro-E 25 LPM P/N 790049-0125
with NFC

MiniCapt® Pro-Plus Particle Counter



MiniCapt Pro-Plus 25 LPM P/N 790049-1125
with NFC

MiniCapt Pro-Plus 25 LPM P/N 790049-1025
without NFC



MiniCapt Pro-Plus 100 LPM P/N 790049-1110
with NFC

MiniCapt Pro-Plus 100 LPM P/N 790049-1010
without NFC

Personal Computers (PCs) and Accessories



Rugged Tablet P/N 1000024664



Wall/Panel Mount HMI:

19 inch Touch P/N 1000030015

22 inch Touch P/N 1000030016



Server Tower P/N 1000030013



Smart PC For Pharmaceuticalnet Pro P/N 446501-0000



Mouse, Keyboard, and Monitor P/N 1000030017



Server Rack P/N 1000030014

PharmaceuticalNet Pro Software



PharmaceuticalNet Pro Subscription - BASIC (Digital Delivery) P/N 450600-0000

PharmaceuticalNet Pro Subscription - STANDARD (Digital Delivery) P/N 450600-1000

PharmaceuticalNet Pro Subscription - PREMIUM (Digital Delivery) P/N 450600-2000

PharmaceuticalNet Pro Subscription - ENTERPRISE (Digital Delivery) P/N 450600-3000

Subscription Packages Features	Basic	Standard	Premium	Enterprise
Max Sensor (<i>viable + non-viable</i>)	8	32	64	128
Max Sensor (<i>analog input/EM sensors</i>)	8	32	64	384
Server Redundancy		✓	✓	✓
Concurrent Clients	2	5	10	25
Support SLA	Basic	Standard	Premium	Custom
Windows OS KB	✓	✓	✓	✓
Software Updates	✓	✓	✓	✓
Statistical Data Analyzer	✓	✓	✓	✓
Notification Hub	✓	✓	✓	✓
OPC UA	✓	✓	✓	✓
SQL Data Exporter	✓	✓	✓	✓

Racks

Rack designed for FacilityPro module installation. Available in various sizes to accommodate different configurations.



12 Units



24 Units

Facility Pro Rack - 19-inch P/N 1000022232
37 Units (30 inch deep)

Facility Pro Rack - 19-inch P/N 1000024531
24 Units

Facility Pro Rack - 19-inch P/N 1000024532
12 Units

Facility Pro Rack - 19-inch P/N 1000030000
42 Units

Facility Pro Rack - 19-inch P/N 1000030001
42 Units (PMS Branded)



42 Units

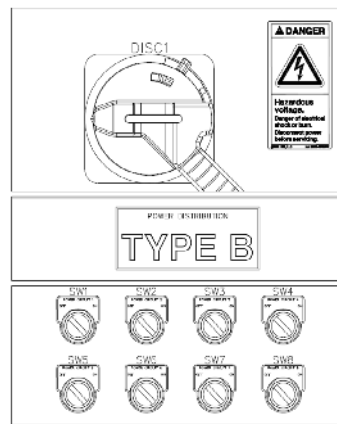
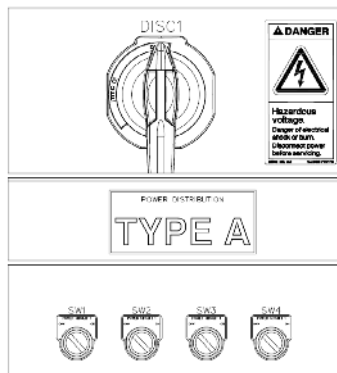
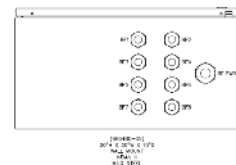
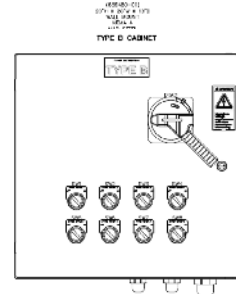
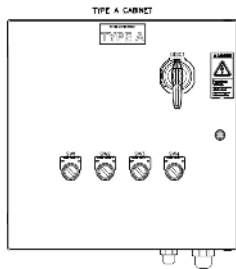


42 Units
(PMS Branded)

Rack Accessories

FacilityPro™ Rack mounting manifold

P/N 1000016104



External Cabinet

UL Listed - 4 outlet

P/N 442500-0004

External Cabinet

UL Listed - 8 outlet

P/N 442500-0008

Rack mounted Power Panel

(North America only)

P/N 1000021068



Rack Mounting Power Distributor

8 ports - 220 VAC 10 A

P/N 1000030024



Vacuum Pumps

Vacuum pumps designed to manage particle or microbial sampling for various points, ranging from 8 to 32. The pumps offer different capacities, with models supporting 60 m³/h to 300 m³/h. They are suitable for various voltage and phase configurations, making them versatile for different setups.

Vacuum pump - Up to 24 sampling points

P/N 1000021110

3 phase, 200 m³/h



Vacuum pump - Up to 32 sampling points

P/N 1000021112

3 phase, 300 m³/h



Vacuum pump - Up to 8 sampling points

P/N 1000030002

3 phase, 60 m³/h



Vacuum pump - Up to 16 sampling points

P/N 1000030003

3 phase, 100 m³/h



Vacuum Pump Accessories

Accessories for Centralized Vacuum Pump connection.



Vacuum pump valve - L P/N 1000030004
65 / 100 m³/h



Vacuum pump valve - T P/N 1000030005
65 / 100 m³/h



Vacuum pump valve - L P/N 1000030006
200 / 300 m³/h



Vacuum pump valve - T P/N 1000030007
200 / 300 m³/h

Tube for Vacuum pump
200 / 300 m³/h

P/N 1000030008

Tube for Vacuum pump
60 / 100 m³/h
(and for Sensor Module)

P/N 1000030009

