



Choose the cartridges you need to create a custom testing solution that fits YOUR needs!

P

Particulates Cartridge

PN/PM

Particulates Cartridge

This cartridge can accurately detect Particulate Number (PN) and Particulate Mass (PM) using three dissimilar sensors: Ionization, Scattering, and Opacity.

parSYNC® Model Compatibility: *FLEX only*

Particulates Cartridge	
Details	Data
Particle Size Range	10 to 10,000nm = 0.01 to 10 µm
Ionization Sensor	Ultra-Fine: 10 to 250nm / peak@ <80nm
Opacity Sensor	Medium: 80 to 7,000nm / peak@ ~800nm
Scattering Sensor	Coarse: 250 to 10,000nm / peak@ ~2,500nm

N

GasMOD™ Cartridge

NO/NO₂

N - GasMOD™ Cartridge

This cartridge can accurately detect Nitric Oxide (NO) and Nitrogen Dioxide (NO₂) within the parameters depicted in the chart below.

parSYNC® Model Compatibility: *FLEX and FLEX-PNC*

N-GasMOD™ Cartridge	Individual Electro-Chemical Cells	
	Nitric Oxide (NO)	Nitrogen Dioxide (NO ₂)
Range	0-5000 ppm	0-300 ppm
T ₀₋₉₀ Time (s)	< 5	< 35
Resolution	1-2 ppm	0.1 ppm
Accuracy	Abs	± 15 ppm
	Rel	± 2%
Repeatability	Abs	± 5 ppm
	Rel	± 2%





GasMOD™
Cartridge

CO/CO₂/HC/O₂

C - GasMOD™ Cartridge

This cartridge can accurately detect Carbon Monoxide (CO), Carbon Dioxide (CO₂), Hydrocarbons (HC) and Oxygen (O₂) within the parameters depicted in the chart below.

parSYNC® Model Compatibility: *FLEX and FLEX-PNC*

C - GasMOD™ Cartridge	Non-Dispersive Infrared (NDIR)			Individual Electro-Chemical Cells	
	CO	CO ₂	HC	O ₂	
Range	0-15%	0-20%	0-4000 ppm ¹	0-100%	
T ₀₋₉₀ Time (s)	< 3.5	< 3.5	< 3.5	< 6	
Resolution	0.01%	0.01%	1 ppm	0.01%	
Accuracy	Abs	± 0.02%	± 0.3%	± 8 ppm	± 0.1%
	Rel	± 3%	± 3%	± 3%	2%
Repeatability	Abs	± 0.02%	± 0.1%	± 6 ppm	± 0.1%
	Rel	± 2%	± 2%	± 2%	± 2%

¹ Propane mode, extends to 30,000 ppm (lower accuracy)



GasMOD™
Cartridge

NO/SO₂

NS - GasMOD™ Cartridge

This cartridge can accurately detect Nitric Oxide (NO) and Sulfur Dioxide (SO₂) within the parameters depicted in the chart below.

parSYNC® Model Compatibility: *FLEX and FLEX-PNC*

NS-GasMOD™ Cartridge	3 Electrode Electro-Chemical	
	Nitric Oxide (NO)	Sulfur Dioxide (SO ₂)
Range	0-5000 ppm	0-1000 ppm
T ₀₋₉₀ Time (s)	< 5	< 20
Resolution	1-2 ppm	1 ppm
Repeatability	2% of signal	2% of signal



3DATX is proud to offer reSYNC, our sensor cartridge recycling program, which helps to not only reduce waste and our environmental impact, but also offers discount incentives to help you save on future purchases with 3DATX.

For every returned used sensor cartridge, the customer receives \$450 towards the purchase of a new sensor cartridge!

To learn more about reSYNC, [click here](#) to visit our website or scan the QR code to the right!

