**PCX Module – Service/Calibration**

The PCX module requires a service and calibration at minimum every 24 months.

* NIST Traceable Factory calibration (Arizona road dust)
* Pump replacement
* Zero scrubber



If these items are not replaced within 24 months, the module will not be able to accurately measure particulate matter (PM) concentrations We provide either a hot-swap or standard calibration service for this module.

**Hot Swap Service**

Our hot swap subscription service provides you with a refurbished PCX module with laboratory calibration certificate and extended lifetime warranty as required with no downtime for your project. Our hot swap fee is fixed at $2250 every 24 months, pro-rated at the date of each module swap.

**Benefits:**

* With a lifetime warranty, there are no module replacement costs ($8390 per module every 6 years)
* Your costs are fixed, if the module requires servicing within 24 months there is no additional fee
* There is no downtime waiting for your module to be serviced – only one visit to site required

**Standard Calibration Service**

Our standard calibration service fee is $1250 per module. Service wait time is around 1 month, requiring either spare modules to be purchased or we can rent a module ($750 per month).

**Comparison Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Service/Calibration | Service Fee | Additional Costs | Monthly Cost (includes replacement every 6 years) |
| Hot swap | $2250 every 24 months | None | $94 |
| Standard calibration (using spare modules) | $1250 | $8390 per spare module | $169 |
| Standard calibration (rental) | $750 (estimated rental fee) | $200 |

**VOC Module – Service/Calibration**

The VOC analyzer module requires a service and calibration at minimum every 24 months.

**

* Nafion membrane replacement (humidity control)
* PID lamp and electrode stack replacement
* Zero scrubber material replacement (ABC technology)
* Multi-point calibration (dual range) 0 – 30 ppm and 0 – 500 ppb

If these items are not replaced within 24 months, the module will not be able to accurately measure VOC concentrations. We provide either a hot-swap or standard calibration service for this module.

**Hot Swap Service**

Our hot swap subscription service provides you with a refurbished VOC module with laboratory calibration certificate and extended lifetime warranty as required with no downtime for your project. Our hot swap fee is fixed at $1950 every 24 months, pro-rated at the date of each module swap.

**Benefits:**

* With a lifetime warranty, there are no module replacement costs ($3940 per module every 6 years)
* Your costs are fixed, if the module requires service within 24 months there is no additional fee
* There is no downtime waiting for your module to be serviced – only one visit to site required.

**Standard Calibration Service**

Our standard calibration service fee is $1750 per module, or $1000 for a set of 10 modules. Service wait times are up to 2 months, requiring either spare modules to be purchased or we can rent a module ($500 per month)

**Comparison Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Service/Calibration | Service Fee | Additional Costs | Monthly Cost (includes replacement every 6 years) |
| Hot swap | $1950 every 24 months | None | $81 |
| Standard calibration (using spare modules) | $1750 or $1000  (set of 10) | $3940 per spare module | $127 (1) / $96 (10) |
| Standard calibration (rental) | $1000 (estimated rental fee) | $169 (1) / $138 (10) |

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**Other Gas Modules - Service/Calibration**

The Aeroqual Gas analyzer modules require full replacement every 24 months.

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* Nafion membrane replacement (humidity control)
* Gas sensor (24-month lifespan)
* Zero scrubber material replacement (ABC technology)
* Multi-point calibration (dual range) 0 – 30 ppm and 0 – 500 ppb

Modules will begin to fail around 24 months of use, as the sensor expires, and other components are exhausted. We provide either a hot-swap or standard calibration service for this module.

**Field Calibration**

For Aeroqual gas modules (not including VOC), we recommend field calibrations every 3 months and a replacement of the module every 2 years. If this is not achievable, customers can rely on a 12-month laboratory calibration performed by Specto Technology with new certificate provided.

Field calibration of H2S, CO2, CO, SO2 and Methane can be applied using a gas cylinder. Field calibration of NO2 and Ozone requires specialized equipment that can be rented or purchased from Specto Technology (Ozone Calibrator = $9,650, NO2 dilutor = $11,750).

**Hot Swap Service**

Our hot swap subscription service provides you with NEW module with laboratory calibration certificate and extended lifetime warranty as required with no downtime for your project. Our hot swap fee is fixed at $1950 every 12 months, pro-rated at the date of each module swap.

**Benefits:**

* With a lifetime warranty, there are no module replacement costs ($2800 per module every 2 years)
* Your costs are fixed, if the module requires service within 12 months there is no additional fee
* There is no downtime waiting for your module to be serviced – only one visit to site required.

**Standard Calibration Service**

Our standard calibration service fee is $500 per module. Our standard TAT is 2 - 4 weeks, requiring either spare modules to be purchased or we can rent a module ($500 per month).

**Comparison Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Service/Calibration | Service Fee | Additional Costs | Monthly Cost (includes replacement every 2 years) |
| Field Calibration | NA | $2800 every 24 months | $120 |
| Hot swap | $1950 every 12 months | None | $163 |
| Standard calibration (using spare modules) | $500 | $2800 per spare module | $141 |
| Standard calibration (rental) | $500 (estimated rental fee) | $162 |

**Met One Nephelometer Module - Service/Calibration**

The Met One Nephelometer module requires a service and calibration at minimum every 24 months.

* NIST Traceable Factory calibration (spherical micro-beads)
* Servicing of module
* Cleansing of optical chambers and tubing replacement
* Replacement of pump and purge filters



We provide either a hot-swap or standard calibration service for this module.

**Hot Swap Service**

Our hot swap subscription service provides you with a refurbished Nephelometer module with laboratory calibration certificate and extended lifetime warranty as required with no downtime for your project. Our hot swap fee is fixed at $1950 every 24 months, pro-rated at the date of each module swap.

**Benefits:**

* With a lifetime warranty, there are no module replacement costs ($4725 per module every 6 years)
* Your costs are fixed, if the module requires service within 24 months there is no additional fee.
* There is no downtime waiting for your module to be serviced – only one visit to site required.

**Standard Calibration Service**

Our standard calibration service fee is $750 per module. Service wait time is around 2 months, requiring either spare modules to be purchased or we can rent a module ($500 per month).

**Comparison Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Service/Calibration | Service Fee | Additional Costs | Monthly Cost (includes replacement every 6 years) |
| Hot swap | $1950 every 24 months | None | $81 |
| Standard calibration (using spare modules) | $750 | $4725 per spare module | $97 |
| Standard calibration (rental) | $1000 (estimated rental fee) | $139 |

**Met One Profiler Module - Service/Calibration**

The Met One Profiler module requires a service and calibration at minimum every 12 months.

* NIST Traceable Factory calibration (spherical micro-beads)
* Servicing of module (clean and basic repair)
* Cleansing of optical chambers and tubing replacement



We provide either a hot-swap or standard calibration service for this module.

**Hot Swap Service**

Our hot swap subscription service provides you with a refurbished Profiler module with laboratory calibration certificate and extended lifetime warranty as required with no downtime for your project. Our hot swap fee is fixed at $1500 every 12 months, pro-rated at the date of each module swap.

**Benefits:**

* With a lifetime warranty, there are no module replacement costs ($5150 per module every 5 years)
* Your costs are fixed, if the module requires servicing within 12 months there is no additional fee
* There is no downtime waiting for your module to be serviced – only one visit to site required

**Standard Calibration Service**

Our standard calibration service fee is $750 per module. Service wait time is around 2 months, requiring either spare modules to be purchased or we can rent a module ($500 per month).

**Comparison Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Service/Calibration | Service Fee | Additional Costs | Monthly Cost (includes replacement every 5 years) |
| Hot swap | $1500 every 12 months | None | $125 |
| Standard calibration (using spare modules) | $750 | $5150 per spare module | $148 |
| Standard calibration (rental) | $1000 (estimated rental fee) | $232 |