

Photoionisation Detection

Technologies & Products



World Class Technologies

Our Unique Capabilities

AU: The Global Leader of Innovation in PID Technology.

HEATWAVE
Moisture Tolerant PID

Heatwave – Game changing PATENTED moisture fighting technology.

DON'T LET MOISTURE KILL YOUR PID SENSORS.

Ambient air TVOC Monitors are susceptible to condensation. Those that are not protected will exhibit **INSTABILITY, SEVERE DEGRADATION, FALSE ALARMS & FAILURE.**

Heatwave technology prevents condensation on interior surfaces and avoids pooling of aggressive high purity liquid water inside the sensor. This technology is absolutely critical to enable your PID sensor to operate in **Environmental Monitoring Applications.**

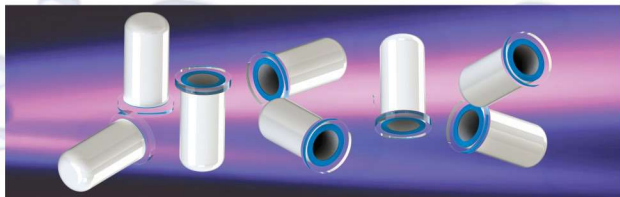
HEATWAVE is the answer ... and it is only available from AU.



ELT Lamp – Extended Life Technology (ELT) Coated Lamp

ELT incorporates a proprietary, in-house developed, coating that delivers superior light intensity, a very long operational life span, and exceptionally low degradation with high consistency over prolonged periods of use.

The ELT coating reduces lamp signal degradation caused by contamination from the glass envelope, ensuring the purity of the gas inside the lamp. Vacuum ultraviolet PID lamps using ELT coating technology have an average life span significantly in excess of 18 months.



Cera-Lamp – Ceramic body VUV Lamp

The first all ceramic body PID lamp has been perfected by our Senqi development team and is now available in a PID sensor. This extraordinary lamp technology extends lamp life to double the life expectancy of our industry-best ELT coated lamps.

In practical applications, the AU Cera-Lamp maintains a continuous and stable UV light output intensity for an extended period. It exhibits minimal degradation over time, making it particularly suitable for applications requiring long-term continuous online monitoring.

ELT & Cera-Lamp technologies produce extraordinarily high purity and highly consistent output spectrums.

Consistent spectrum output produces consistent photonic energy output ratios and thus consistent response factors. Our lamp technology enables our sensors to produce higher accuracy over the life of the lamp.

World Class Products

AU PID Sensor Product Families

Meet Our Family of PID Sensor Products in a 4P package



Common Uses Include:

- Regulatory Compliance
- Personnel Monitors
- Specialty Instrumentation
- AAQ Monitoring
- Facility Monitoring



Common Uses Include:

- Portable Analysers
- Fugitive Emissions Monitoring



Common Uses Include:

- Personal Exposure
- IAQ Monitoring
- Facility Monitoring
- Specialty Instrumentation



Common Uses Include:

- AAQ Monitoring
- Fence Line Monitors
- Process Monitor/Control
- Industrial Hygiene
- Regulatory Compliance

Rainbow Series – The industry standard high performance PID Sensor from AU.

Includes:

- ELT Coated Lamp
- Patented Heatwave Technology
- Superior Analytical Performance Detection Cell
- Fixed Individual Ranges

Full Range – Unique real time dual-range high performance PID Sensor from AU.

Includes:

- ELT Coated Lamp Technology
- Low Range Output (1ppb to >50ppm)
- High Range Output (to 10,000 ppm)
- Superior Analytical Performance Detection Cell

Arc Light – The world's first ceramic lamp PID sensor... Ultra long life & high stability

Includes:

- **Cera-Lamp** Ceramic Body VUV Lamp
- Patented Heatwave Technology
- Superior Analytical Performance Detection Cell
- Fixed Individual Ranges

Rainbow 2 – Anti-Fouling design for use in harsh environments.

Includes:

- ELT Coated Lamp Technology
- Patented Heatwave Technology
- Pollution Resistant Cell Geometry
- Fixed Individual Ranges

INTERNATIONAL SUPPORT

FOR ALL INQUIRIES:
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