



Nitrogen Specific HPLC Detector

ADVANTAGES

- **Quantitate complex samples with a single standard**
- **No chromophore – no derivatization required**
- **Equimolar detection means results are not compound dependent**
- **Simple operation**

8060 Series Nitrogen Specific HPLC Analysis

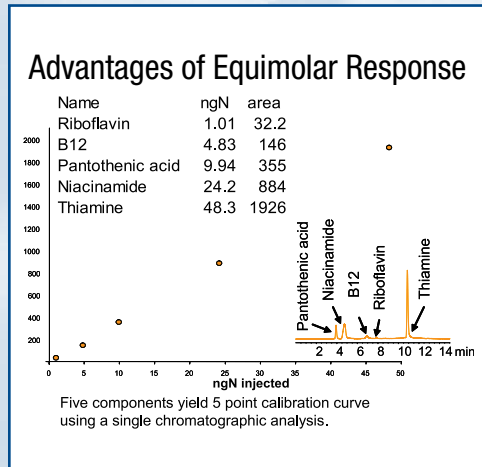
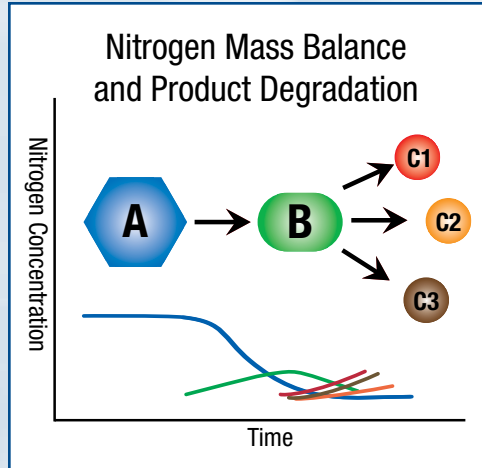
Utilizing accuracy and precision of Antek's Pyrochemiluminescent™ technology, the 8060 delivers equimolar response for all nitrogen containing compounds. Chemiluminescence is the clean, fast, interference-free method for determining all bound nitrogen in a variety of matrices.

When characterizing crude products of a synthesis, quantitating target compounds, or generating potency measurements, methods based on traditional detectors, such as UV, can be misleading and time consuming because detector response is dependent on chromophores—thus requiring purified references for every single compound of interest. Even other so-called equimolar detectors commonly advertise “nearly equivalent response factors.” The true equimolar response of Antek's Model 8060 CLND, $\pm 5\%$ typically, provides for easy quantitation and fast method development. Analysts can calculate potency of compounds of interest using only a single, high purity nitrogen calibration standard.

ANTEK 8060 HPLC NITROGEN SPECIFIC DETECTOR

Automated Sulfur Analysis

Antek's Model 8060 CLND is the only truly equimolar HPLC detector. True equimolar response for all nitrogen containing samples allows a single standard to quantitate multiple and complex samples.



Detection Method

Pyro-chemiluminescence™

HPLC System Requirements

Any system with accurate pulse-free pump

Typical mobile phases (non-nitrogenous containing): water, alcohol, TFA and other modifiers

Flow rates: 10–300 µL/min

Sensitivity

<0.1 nanogram of Nitrogen

Outputs

1 mV, 1 V, 10 V

Gases

Dry oxygen: 50–200 cc/min 99.75% 4.5 bar (60 psig)

Dry carrier (argon or helium): 50–200 cc/min 99.99%, 4.5 bar (60 psig)

Power

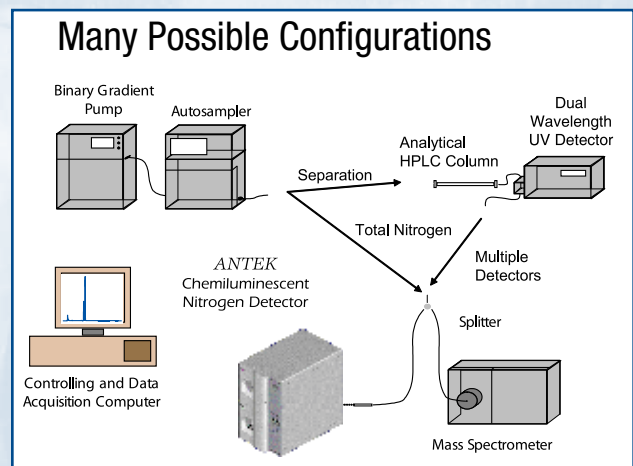
115 VAC 50/60 Hz 12 Amp or

230 VAC 50/60 Hz 6 Amp

Physical Dimensions & Weight

H	W	D	Weight
*	*	* cm	36 kg
21	15	26 in	80 lb

Continuing research and development may result in specification or appearance changes at any time.



FOR ADDITIONAL INFORMATION

USA

8824 Fallbrook Drive, Houston, Texas 77064
Phone: 800.444.TEST [281.940.1803] | Fax: 281.580.0719
sales@pacpl.com | service-lab@pacpl.com

France

BP 70285 - VERNON - 14653 CARPIQUET Cedex
+33 (0) 231 264 300 | fax +33 (0) 231 266 293
sales@pacpl.fr | service@pacpl.fr

Germany

Badstrasse 3-5, P.O. Box 1241 D-97912 Lauda-Königshofen
+49 9343.6400 | fax +49 9343.640.101
sales@pacpl.de | mail@service.pacpl.de

Singapore

10, Eunus Road 8, #12-06 Singapore Post Centre 408600
+65 6742 8453 | fax +65 6742 8759
sales@pacpl.com.sg | service@pacpl.com.sg

YOUR LOCAL REPRESENTATIVE: