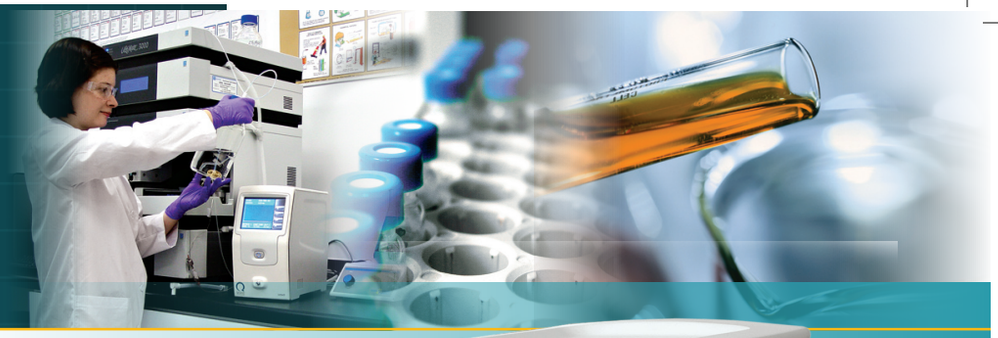
Searching for the right detection solution?



NQAD QT-500 detector

for UHPLC, HPLC, and SFC
by Quant Technologies.

One for All, All in One

The Quant NQAD QT-500 for UHPLC, HPLC, and SFC incorporates patented Water Condensation Particle Counting technology which improves sensitivity, linearity, stability, and precision in comparison to conventional aerosol based detectors. All this, while maintaining the ability to see a wide range of analytes, including those that do not contain a chromophore. The unrivaled performance of the Quant NQAD QT-500 truly makes this all in one detector, the one for all.

The Quant NQAD QT-500 detector for UHPLC, HPLC, and SFC combines:

- Excellent sensitivity down to subnanogram ranges
- Unrivaled precision (<1% RSD's typical) even at low concentrations"
- Wide linear range
- Broad applicability and versatility
- Simple operation

Key benefits:

- Increased productivity
  - Detect more compounds per injection
  - Reduced mathematical manipulation of data
  - Long term stability and robustness
- Minimal cost
  - One detector can be used for UHPLC, HPLC, and SFC
  - Minimize organic solvent purchase and disposal costs

QUANT™
TECHNOLOGIES·LLC

NQAD QT-500 Detector

Typical Compounds Include:

Drug compounds
Drug scaffolds
Lipids
Proteins
Steroids
Polymers
Carbohydrates
Peptides
Ions

Industries Include:

Pharmaceutical
Specialty chemical
Food and beverage
Cosmetic
Life science
Academic Research
Biofuels

Applications Include:

Impurity and degradation product testing
Excipient characterization
Method transfer
Intermediate testing
Cleaning validations
UHPLC/HPLC/SFC

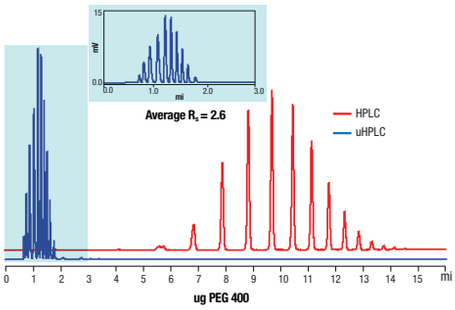
QUANT TECHNOLOGIES LLC

Quant Technologies is a leader in aerosol based instrumentation and has a distinguished history innovating highly specialized instruments used to measure physical, chemical, and biological properties of particles. We maintain a global network of sales, service, technical support, and applications and have established relationships with the mostly highly trained distributors and reps in order to provide the highest quality of service to you.

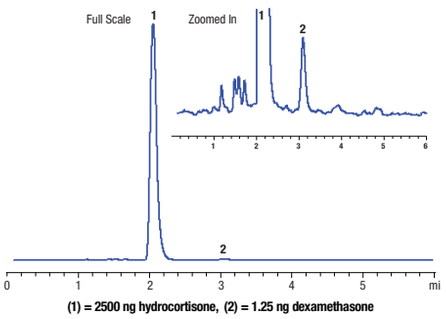
The NQAD QT-500 combines the versatility and performance required for analytical R & D, and has the reproducibility and stability needed for QC/QA and long term testing in a demanding lab environment. It can be used for virtually any compound, industry, and application:

Is your current technology limiting you?

Easily detect compounds that do not contain a chromophore on UHPLC and HPLC such as 5 ug PEG 400.



High sensitivity coupled with a wide dynamic range allows you to see more in each injection.



Specifications

Normal inlet mobile phase flow rate: 0.1-2.2 mL/min
Inlet connection: Standard 10-32 receptacle
Evaporator temperature: Off, 35–100°C, programmable
Wetted materials: PTFE, PFA, 316 SS, Ruby, Kalrez, Stainless, PEEK
Gas requirements: Clean, dry air or nitrogen <10 SCFH (4.7 L/min), regulated at 40 psi (276 kPa)
Condensing liquid: Water
User interface: 5" color touch screen display, real time chromatogram, status and setup displays
Back panel: water inlet (500 mL bottle), Gas inlet-1/4 inch Swagelok® tube fitting
Gas effluent outlet-3/8" Swagelok® tube fitting
Liquid effluent outlet-1/4"-28 receptacle
Analog/digital interface terminal connectors
Power connector
USB/Serial connectors
Ethernet connection
Power requirements: 150 Watts, 100–240 VAC, 50–60 Hz
Dimensions (WDH): 6 × 17 × 12.5 inches (15.5 × 43 × 32 cm)
Weight: 23 lbs (10.4 kg)
Analog output: 0-1.00 volt selectable gains (×1 to ×5k)
Product safety/compliance: CE certification based on 89/336/EEC. EN55011, EN61326-1, EN61010-1

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