Royce Water Technologies

Chemscan UV 4200 Nutrient Analyser

The ChemScan UV-4200 Analyzer provides operators with timely process chemistry measurements. The analyzer provides data to ensure proper control of nutrient, disinfection and other dissolved chemical treatment processes. This reduces the need for frequent manual sampling or laboratory analysis while producing the best water quality.

The ChemScan UV-4200 is equipped with a Graphic User Interface built to handle the challenges of a municipal/industrial environment. The display simplifies navigation making the analyzer user friendly. Large display numbers allow the operator to view current parameter values at a glance and maintenance and troubleshooting videos can be accessed and viewed on the display.

ChemScan Features

- Simple to use and maintain
- Designed for the harsh in-plant operation environment
- Reagent-assisted, multiple-wavelength UV absorbance technology ensures accuracy across varying water conditions
- Clog-proof, internal, multi-sample line manifold
- Automatic zero and cleaning eliminates electrical optical drift and flow cell fouling
- Benign, inexpensive reagents
- No ion-specific electrodes to clean or replace
- Multiple data communication options with plant SCADA
- Simple Wand filtration system drastically reducing maintenance and costs

Benefits

- Ensure process conformance
- Control energy and chemical costs
- Confirm plant compliance in real time
- Improve process performance
- > 100 Installations throughout Australia

Specifications:

Measurement Principle:

- Reagent-Assisted, Multiple-Wavelength UV Absorbance Technology Using Pattern Recognition of Spectral Data

Sample Lines:

- 2

Parameters and Range per Sample Line (custom range available):

- Nitrite 0.1 - 5.0 mg/l as N
- Nitrate 0.1 - 20.0 mg/l as N
- Ammonia 0.2 - 20.0 mg/l as N
- Ortho Phosphate 0.05 - 5.0 mg/l as P