

The Cyantist OCM5000 On-line Cyanide Monitor Specifications

Cyantific Instruments

Titration Control

Robust Measurement that saves thousands of dollars - just ask our customers

Close monitoring of cyanide levels in a leach plant leads to vastly reduced use of reagents - saving money, reducing time, and minimising environmental impacts. Contact us to see how the Cyantist OCM5000 helps you improve the management of your leaching cycle.

Improve the management of your leaching cycle

By steadying fluctuations in cyanide levels at a gold leach plant, Cyantific Instruments' OCM 5000 helps you improve the management of your leaching cycle - you can ensure the most efficient concentration of reagents are working to extract the most gold.

The accuracy and repeatability provided by the Cyantist OCM 5000 gives your plant improved control.

The OCM5000 may assist in achieving compliance with the International Cyanide Management Code.

Cyantific Instruments has been delivering results for years.

The Cyantist is a development of the venerable Chemtronics OTA 3000 and Cyantific Instruments OCM3000.

While these units were leaders in their time, our careful development of the technology has resulted in a more accurate and robust unit, making upgrades a financially viable option.

Because of our long experience, we have refined the most effective cyanide monitoring installation in the industry.

The robust solution

The Cyantist OCM 5000 makes semi-continuous monitoring and control of the potentiometric cyanide analysis straightforward.

- Manual measurement may be reduced, in the knowledge that vastly improved control is optimising gold recovery and saving money.
- The continuous measurement of free cyanide is used to automatically control the concentration and addition of NaCN solution.
- The Cyantist can be housed in its own portable cabin, which can be located close to the sample point.
- However, it doesn't require an air conditioned environment and is resistant to vibration, and will measure two sample points concurrently.

The Cyantist OCM 5000



The Cyantist OCM 5000

Benefits

- ⇒ Improve the management of your leaching cycle
- ⇒ Greater control, reduced cyanide use, reduced environmental load
- ⇒ Robust, reduced maintenance, reliable operation, well developed & dependable.
- ⇒ Consistent, repeatable results, automatic operation, easy to calibrate and verify
- ⇒ Helps to comply with Standard of Practice 4.2-Gold Mining Operations Protocol of the ICMC.
- ⇒ Global coverage.
- ⇒ ***The Cyantist is without doubt the best value unit on the market***

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Automatic recording

The OCM 5000 displays the full curve data on each test, so that an operator may easily follow the progress of the titration.

- Calculating the results is via the most sophisticated algorithm, that smoothes spurious endpoints and enhances accuracy.
- When the titration is complete, the output drives a PLC or cyanide dosing controller, while displaying the results on a screen.
- An historic record of results can be fed through to a PC or printer so that benefits can be quantified

Low maintenance

Operation is easy, training straightforward and the OCM 5000 has been designed from the ground up to be low maintenance and robust.

- Comprehensive maintenance and service is available in the most remote locations, which is simple and straightforward.
- Local maintenance partners and distributors are available, or Cyantific Instruments can carry out any maintenance tasks directly.
- All elements of the unit apply our real world experience - the cabinet is powder coated, while all wetted surfaces are elastomer or polymer.

All liquids handling is limited to the lower compartment, electronics are kept separate in a sealed upper compartment.

Global coverage

The Cyantist OCM 5000 has been successfully installed worldwide.

- Our customers are major multinationals and small, one mine operators.
- They know our units are the most effective on the market, and are by far the best value, dollar for dollar.

The Cyantist is without doubt the best value unit on the market.

Installation & Training.

- Installation with the portable cabin is a matter of only a few hours.
- Commissioning occupies the remainder of the first day.
- The subsequent days, (usually two) are used to confirm the correct operation of the instrument and to train nominated mine personnel in the basic operation and maintenance of the instrument

Support

Personnel from Cyantific Instruments regularly check on the operation of installed instruments.

- Service contracts can also be provided to fully maintain the units after the twelve-month warranty has expired.
- The unit has been designed for ease of maintenance, especially important in remote locations, and with only minor training can be fully maintained by site personnel.

Rentals

To get the best value from your capital spend, the Cyantist OCM 5000 can be rented for periods to suit your mine's circumstance.

- Cyantific Instruments will install all the equipment needed on your plant for a straight monthly fee or a combination of installation and rental; ask us for details of our flexible plans.

The cost benefits

The Cyantist OCM 5000 will please any Mine Manager and the Accountant.

- By efficiently controlling cyanide concentrations, cyanide consumption can be reduced, even in the best-run mines.
- Investing in the leading measurement and control system, with The Cyantist OCM 5000, the return on investment (RoI) is startling.
- Investment is generally paid off within a few months and reductions of 25% or more in Cyanide use are attainable - better for the environment, and better for the bottom line.

Contact us today

To see how the Cyantist OCM 5000 can help improve efficiencies of cyanide monitoring in your business:

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