MANTECH

OPTIMIZE YOUR RESULTS. PROTECT OUR ENVIRONMENT.

PeCOD® ANALYZER 10-MINUTE CHEMICAL/BIOCHEMICAL OXYGEN DEMAND (COD/BOD) ANALYSIS

THE WATER QUALITY MONITORING SYSTEM THAT IS MERCURY AND DICHROMATE FREE

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The revolutionary PeCOD® Analyzer technology provides Chemical/Biochemical Oxygen Demand results in under 10 minutes in a Simple-Safe-Effective manner.

With our mercury and dichromate free chemistry installed in over 20 countries, the PeCOD® Analyzer has delivered successful test monitoring of COD in a variety of environments with our approved and published MOECC method (E3515).

Through our proprietary testing methods our customers are saving millions of dollars utilizing both process and efficiency improvements in their facilities.

The PeCOD® technology is supporting the health and safety of their operators while also protecting the environment.

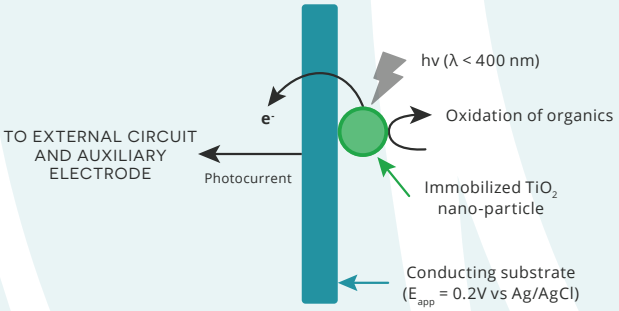

Figure 1: peCOD Nanotechnology
Roughly 2 times the oxidizing power vs. dichromate i.e. Benzene, 1.8 by CODCr and 2.6 by peCOD

PeCOD® ANALYZER SENSOR

The PeCOD® Analyzer offers a unique nanotechnology-based approach to Chemical Oxygen Demand (COD) analysis which overcomes many of the problems encountered by traditional methods.

The PeCOD® Analyzer offers a safe, green chemistry method that can be used by anyone. This eliminates the need for trained analytical chemists on staff or an external lab facility.

MANTECH's portable, online and laboratory PeCOD® Analyzers test thousands of samples every day for a wide variety of applications, including:

- Pulp and paper mills
- Food and beverage producers
- University and college laboratories
- Industrial and municipal wastewater treatment

PeCOD® ANALYZER BENEFITS

Laboratory, portable and online configurations use identical technology and method

Eliminates the use of hazardous chemicals such as Mercury and Dichromate

10 minute test enables faster treatment decisions

Proven strong correlation to BOD5 test

PeCOD® ANALYZER BENEFITS

MANTECH's PeCOD® Analyzer can be configured to accommodate laboratory operations, automated sampling or continuous process monitoring.

LABORATORY MODELS

- Benchtop L50 has a small footprint *(280 x 210 mm, 11.00 x 8.25 in)* and is lightweight *(7 kg, 15 lb)*
- Bottle-top Dispenser provided for fast, simple sample preparation
- Can be upgraded to Automated or Online systems

ONLINE MODELS

- The only online COD analyzer on the market which offers a direct measure of COD
- Save time and money through process optimization with real time COD results
- Additional parameters can be added on, including pH, conductivity, alkalinity, and ammonia

* Delivered model may not be exactly as shown.

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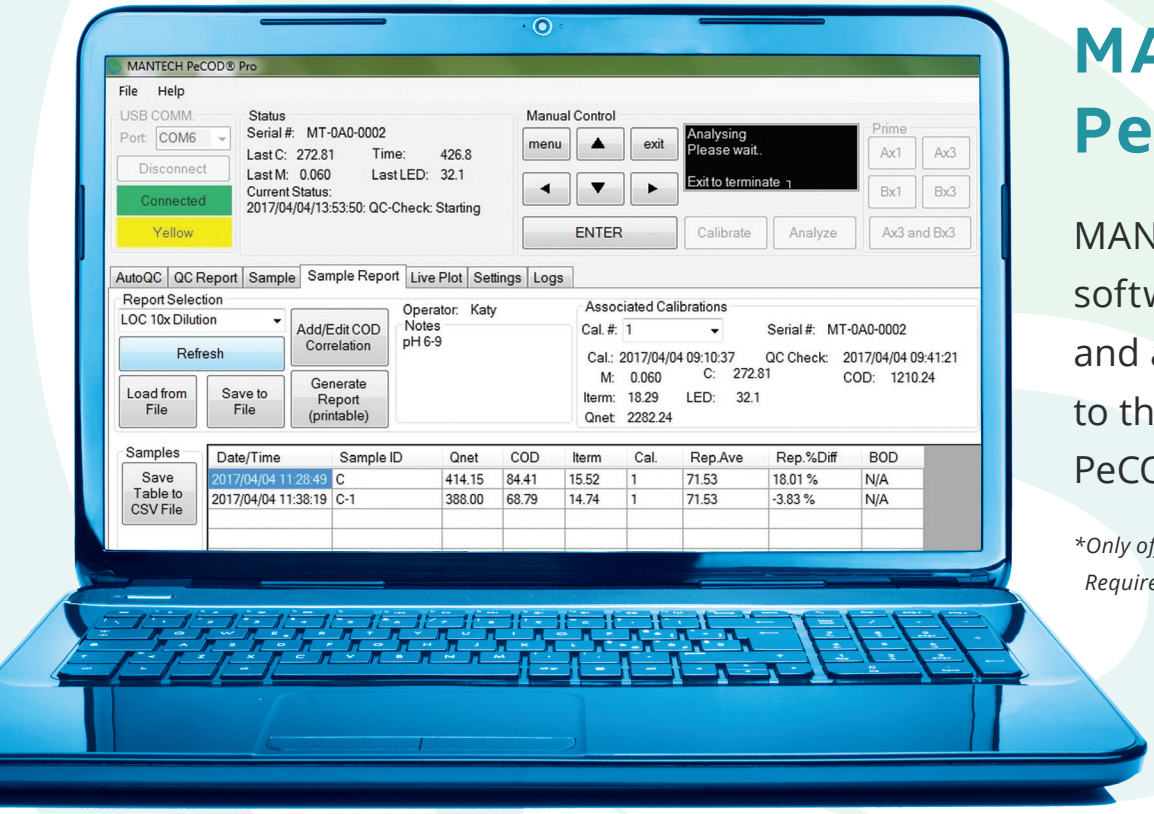
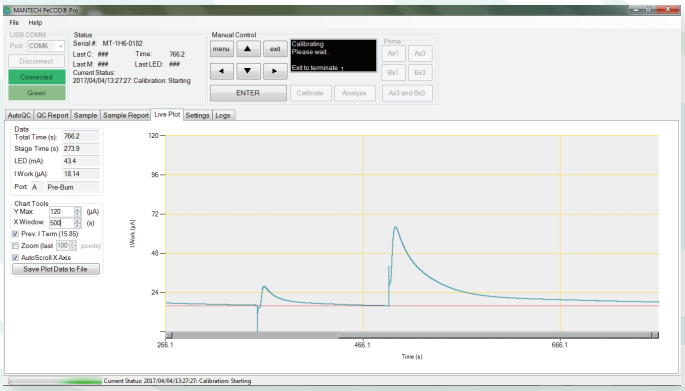


MANTECH PeCOD® PRO

MANTECH's PeCOD® Pro software adds automation and a sleek user interface to the Benchtop L50 PeCOD® Analyzer.

**Only offered with Manual L50. Requires laptop.*



BENEFITS

1. Easy to use interface
2. Unit is ready to analyze samples when the work day begins. Automated calibration and control check can be scheduled ahead of time.
3. Customized sample names and batches
4. Operates two Benchtop L50 units from a single computer

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