

The Better Plants **Diagnostic Equipment Program (DEP)** allows partners to borrow over 22 different kinds of tools to collect energy data and improve equipment performance in their facilities.

Through this program, partners have the opportunity to test tools firsthand before deciding to purchase a piece of equipment on their own. This not only allows for the improved testing and collection of energy data, but also helps to demonstrate the value of certain tools in different applications throughout a facility.

EXPLORE SOME OF THE TOOLS THAT YOU CAN BORROW THROUGH BETTER PLANTS:

FULL SUITE OF DIAGNOSTIC TOOLS

- Anemometer
- Combustion Analyzer
- Conductivity Meter
- Current Transformer
- Digital Manometer
- Digital Thermometer
- Infrared Camera
- Infrared Thermometer
- Laser Distance Meter
- Light Meter
- Pitot Tube
- Power Logger
- Pressure Transducer
- Pyrometer
- Sonic Imager
- Strobe Tachometer
- Temp/RH logger
- Thermocouple
- Thermocouple Logger
- Time of Use Logger
- Ultrasonic Flow Meter
- Ultrasonic Leak Detector

POWER LOGGER



This device helps you directly measure energy consumption, which can be converted into costs. It also logs data to provide electric consumption trends.

CURRENT TRANSFORMER



Use this device with a data logger to quantify the electric current flowing to a component or system and identify wasted energy.

COMBUSTION ANALYZER



This analyzer quantifies excess oxygen in boilers and combustion process exhausts, helping you save fuel and heat energy.

LEAK DETECTOR



This device helps you identify leaks in compressed air or steam systems using high frequencies that are undetectable to the human ear.



SEE HOW OTHER PARTNERS HAVE USED THE DIAGNOSTIC EQUIPMENT PROGRAM:

OZINGA®

Ozinga used data loggers available through the Diagnostic Equipment Program to monitor motor and air compressor utilization, run times, and compressed air demands, which allowed the facilities to collect data on how much time equipment ran in unloaded scenarios vs loaded scenarios.

Ozinga started by establishing data logging procedures for their highest horsepower rated equipment and created a cost-per-hour rating for each compressor. As a result of collecting and analyzing these data points, Ozinga is now able to better identify and quantify energy saving opportunities in their facilities.



Scan the QR Code above, or click here to learn more about how this partner saved.



Saint-Gobain North America established a "compressed air challenge" to tackle compressed air leakages across their facilities. This challenge, accepted by 19 Saint-Gobain facilities, employed a point system to incentivize teams to find and fix compressed air leaks, with many sites borrowing ultrasonic leak detectors from Better Plants to aid in their investigations.

The end result was compressed air repairs that resulted in company-wide savings of 26 Gigawatt-hours and \$2.5 million in electricity costs, approximately 5% of the total energy spent of all sites participating.

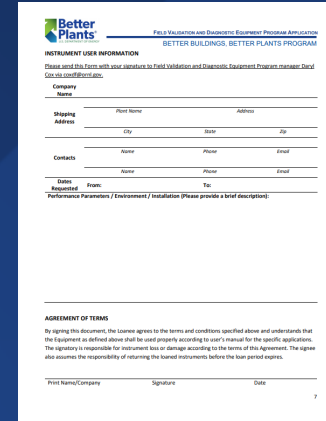


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www.betterbuildingsolutioncenter.energy.gov/better-plants/diagnostic-tools

EXPLORE THE FULL SUITE OF DIAGNOSTIC EQUIPMENT AND SUBMIT AN APPLICATION:



The image shows a screenshot of a web form titled "Better Plants Diagnostic Equipment Program Application". The form includes sections for "INSTRUMENT USER INFORMATION", "AGREEMENT OF TERMS", and a signature line. The "INSTRUMENT USER INFORMATION" section contains fields for Company Name, Shipping Address (Plant Name, Address, City, State, Zip), and Contacts (Name, Phone, Email). The "AGREEMENT OF TERMS" section contains a paragraph of text and a checkbox for "I agree to the terms and conditions specified above and understand that the Equipment as defined above shall be used properly according to user's manual for the specific applications. The user is responsible for instrument loss or damage according to the terms of the agreement. The user also assumes the responsibility of returning the loaned instruments before the loan period expires." Below the agreement is a line for "Print Name/Company" and a "Date" field.



Scan the QR Code above, or click here to download the DEP rental application.

Send this completed form to the Better Plants Diagnostic Equipment Program Manager, Daryl Cox at coxdf@ornl.gov.

HAVE QUESTIONS ABOUT BORROWING EQUIPMENT?



Scan the QR code above, or click here to email Daryl Cox, DEP Program Manager.

Daryl Cox has over 20 years of experience managing industrial technology and equipment and can help you find the right tool for your energy needs.