

140B Methane Monitor System Overview

The CSE 140B is a methane monitoring system designed to be mounted on mining machinery such as continuous miners, roof bolters, longwalls or other machinery that may come in contact with methane pockets.

The 140B is designed to shut down machinery at a defined methane concentration, and it allows power to be restored as soon as the concentration falls below the setpoint.

The 140B system is composed of 3 modules:

- **Power Supply** – housed in an explosion proof box; converts power to be used by the sensor and display; contains all of the relays that control the mining machinery
- **Display** – contains the “brains” of the system and sends appropriate relay signals to the power supply; displays methane concentrations
- **Sensor Head** – contains a highly accurate and responsive catalytic sensor; baffle cap for preventing dust and water ingress

A version of the 140B is available for nearly every mining application:

- 140B with a 1/2” LED display is designed for manned equipment
- The 140B-LD comes with a 2” display that is ideal for remote-controlled equipment
- The 140B-LD IR adds an infrared remote for easy calibration

The industry’s most trusted methane monitor.

1. The 140B is the most reliable system in the industry, with over 30 years of proof behind it. Superior reliability leads to increased safety, and it dependably alerts miners of potentially hazardous conditions as quickly as possible.
2. The 140B has the durability to handle the harshest of environments. All components of the 140B system are built to withstand the brutal conditions that they are exposed to on a daily basis.
3. The detailed instruction and training that CSE provides is second to none. We will thoroughly train all necessary members of your staff which can lead to less downtime, increasing production and, ultimately, your bottom line.
4. Repairs are made easy with the 140B repair/exchange program. In the case that a sensor or control unit is in need of repair, a working replacement will be provided promptly so that you can get back up and running as quickly as possible.
5. Hands down, CSE has the best customer service in the industry. We have a team of highly experienced and dedicated sales representatives that are in the field on a daily basis providing support for all of our products. Should any questions or issues arise, they can be relied upon to provide support whenever needed.

How to take advantage of our free trial.

1. Contact CSE

Contact your local sales representative or CSE customer service at 1-800-245-2224 to learn more about the 140B methane monitoring system and how it can help your operation.

2. Installation

Should you decide to try the 140B, a complete system will be brought to you by your local sales representative for installation. He can even assist your technicians with installation at a time that is convenient for you. While it is best to install the 140B on your machinery by itself, it can be installed next to your current monitoring system, if necessary. However, in this situation, only the 140B will be able to control your machinery.

3. Training

Your sales representative will conduct a detailed training with your maintenance personnel and any others that will be responsible for servicing or interacting with the 140B. He will go through basic operation, troubleshooting, and calibration, as well as answer any questions you should have.

4. Follow-up

Throughout the trial period, your CSE sales representative and CSE customer service will be available to provide assistance, additional training, and answer any questions that may come up.

5. Decision

Upon completion of the 30-day trial, the 140B system may be purchased or uninstalled and returned free of charge.



Committed to **Safety** Excellence!



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