

Northern Light Digital™ Environmental Monitoring

Northern Light Digital™ Environmental Monitoring enables automated, mine-wide visibility of all your environmental conditions including airflow, gas detection, fire detection and others.

Managed through the Northern Light Digital™ Mine Software, Environmental Monitoring allows you to define thresholds and set alarms to ensure early detection of unsafe conditions.



Benefits

- Enable early warning of hazardous conditions
- Increase productivity by automating manual surveys
- Enhance efficiency by gaining control over information through reporting

Features:

- View sensor readings in real-time
- Choose from several alarm types
- View site information by zones
- Manage all sensors on a single platform

Software

Datadbse Server:	MYSQL 5
Database Connector:	MYSQL .NET Connector
Web Server:	IIS
Web Browser:	IE 6.0
Operating System:	Windows XP/2000/2003 Server

Network

WiFi Standards:	IEEE 802.11b/g
LAN Standards:	IEEE 802.3, 802.3u 10/100 Mbps
Data Rate:	54 Mbps
Fibre Mode:	Single or Multi-mode
Transmit Power:	20 dBm
Wireless Security:	WPA, WEP and MAC Filtering
Configuration:	Web Interface
Certificate:	WiFi Certificate
PLC Input/Output:	Yes

Airflow Meter

Power:	120-240 VAC
Ultrasonic Frequency:	50 kHz
Interface:	4-20 mA Loop
Display Units:	m/s, cfm, kcfm, fpm or M**3/S
Input Language:	English, French or Spanish
Enclosure:	NEMA 4X
Operating Temp.	-40° to + 55° C

Compatible Gas & Temperature Sensors

Northern Light Digital™'s Environmental Monitoring System is compatible with any OEM sensors that have a 4-20 mA or 0-10 V output; sensors can be interfaced for wireless and Ethernet connectivity.