



Applications

- Mining
- Oil & Gas
- Petrochemical Exploration
- Refineries
- Power/Co-Generation Plants
- Chemical Processing
- Plastics
- Pharmaceutical Labs
- Medical
- Wastewater Treatment Plants
- Water Treatment Facilities
- Pulp & Paper Mills
- Semiconductor Manufacturing
- Glass Manufacturing
- Tank Farms
- Greenhouses
- Industrial Agriculture Facilities
- Food Processing
- Breweries/Wineries/Distilleries
- Manufacturing
- Factories/Warehouses
- Construction
- Telecommunications
- Battery Charging Stations
- Fuel Cell Storage
- Boiler/Generation Rooms
- Automotive Facilities

Benefits

- Low Power Consumption – Battery Life Exceeds 40 Days on a Single D-cell Battery
- Powered by MineTrax Wireless Network Module
- Supports Several Gas Sensing Technologies
- Reduced Signal Noise as the Signal is Digitized at Source
- Temperature Compensated Sensor Readings
- Superior Accuracy in Fault Finding
- Real Time Sensor Cell Analysis with Lifetime Sensor Records
- Preventative Maintenance Condition Monitoring
- Reliable & Stable Operation

The New State of the art **Smart Head Gas Monitoring System** monitors, records, remembers, warns and advises if it needs replacement.

Conspec's Smart Head Battery Powered Transmitter is smarter than your average monitor, because its digital, yet, there is less complexity with greater reliability.

Conspec's Smart Head Battery Powered Transmitter communicates over the *Minetrax wireless MESH Network*, a reliable and cost-effective solution for mobile data communications and RFID tracking in environments where the installation of wires for power and communications is problematic.

Conspec's Smart Head Battery Powered Transmitter stores all important operating parameters, available from a connection to a networked computer, which enables management to plan maintenance rather than respond to a perhaps critical sensor failure, as with monitors which use an analog signal.

Key Features

- Bright LED Status Indicators
- Long Sensor Life
- Automatic Reset after Power Loss/Interruption
- Temperature & Humidity Compensated
- High Immunity to RFI & EMI
- PC Based Software for Configuration & Calibration
- One Year Limited Warranty

Available Options

- P1879 Calibration Kits
- P1880 Calibration Gas
- TDTL-5930/S Replacement Battery

Smart Head Ordering Information (SHNXX – Sensor Type)

Available Transmitters

- SHN01** – Ammonia
- SHN03** – Carbon Monoxide
- SHN04** – Chlorine
- SHN06** – Hydrogen
- SHN07** – Hydrogen Chloride
- SHN08** – Hydrogen Sulfide
- SHN09** – Nitric Oxide
- SHN10** – Nitrogen Dioxide
- SHN11** – Oxygen
- SHN12** – Ozone
- SHN13** – Sulfur Dioxide
- SHN98** – Air Flow (coming Winter/Spring '12)
- SHN99** – Mini Weather Station (Humidity, Barometric Pressure & Temperature)

*****Consult Factory for Other Sensors, Gases & Ranges*****

*****For Fixed Mounted Single & Multi-Channel Gas Detection, contact us about our Smart Head Monitors and Controller*****

Specifications

Mechanical

Enclosure: NEMA 4X/IP66 Enclosure

Dimensions: 4.75" x 4.75" x 8" / 12.1cm x 12.1cm x 20.3cm

Weight: 2 lbs / 0.9 kg

Mounting: Plate Mounted

Environmental

Operating Temperature: -4°F to 120°F (-20°C to 50°C)

Temperature Compensation: Full Temperature Range

Operating Humidity: 10% to 95% RH Non-Condensing

Electrical

Operating Voltage: 3.6 VDC

Cable Requirements: None

Current Consumption: 5mA Average

Output Signals: Mesh Network Powered by Minetrax Wireless Communication Module

System

Sensor Types: Electrochemical, Mechanical

Status LED's: Dual Colors

Alarm Set Point #1: User Defined

Alarm Set Point #2: User Defined

Alarm Set Point #3: User Defined

Remote Configuration: PC Software

Sales Representatives



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