



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 Cost
- Industry Standard Output Signal
- Supports Several Gas Sensing Technologies
- Reduced Signal Noise as Signal is Digitized at Source
- Low Power Consumption
- Increased Accuracy in Fault Finding
- Increased Sensor Data using the MODBUS Protocol
- Real Time Sensor Cell Analysis with Lifetime Sensor Records
- Temperature Compensated Sensor Readings
- 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 Controller is smarter than your average monitor, because its digital, yet, there is less complexity with greater reliability.

Conspec's Smart Head Controller has been designed to reduce cost and equipment redundancy when several gasses are monitored at a specific location. Material cost is reduced by separating the Sensor from the Monitoring Device. **Conspec's Smart Head Controller** can interface with up to eight Smart Head Sensors, each reading a different gas.

Conspec's Smart Head Monitor stores all important operating parameters, available from a connection to a local 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

- Plug & Play Sensors
- PC Based Software for Remote Configuration
- A Clear & Back-lit LCD Display
- Bright LED Status Indicators
- Long Sensor Life
- Automatic Reset after Power Loss/Interruption
- Temperature & Humidity Compensated
- High Immunity to RFI & EMI
- One Year Limited Warranty

Available Options

- UP99 Hand-Held IR Programmer/Calibrator
- P1879 Calibration Kits
- P1880 Calibration Gas

Smart Head Ordering Information

Controller

SHC – Smart Head Eight Channel Controller

Sensors

- SHS01** – Ammonia
- SHS02** – Carbon Dioxide
- SHS03** – Carbon Monoxide
- SHS04** – Chlorine
- SHS05** – Combustibles
- SHS06** – Hydrogen
- SHS07** – Hydrogen Chloride
- SHS08** – Hydrogen Sulfide
- SHS09** – Nitric Oxide
- SHS10** – Nitrogen Dioxide
- SHS11** – Oxygen
- SHS12** – Ozone
- SHS13** – Sulfur Dioxide
- SHS14** – Volatile Organic Compounds
- SHS97** – Refrigerants(R-22, R-134a)

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

*****For Single Channel Gas Detection, contact us about our Smart Head Monitor*****

Specifications

Mechanical

Enclosure: NEMA 4X/ IP66 Nylon & Stainless Steel Enclosure

Dimensions: 7.5" x 5" x 3" / 19.1cm x 12.7cm x 7.6cm

Weight: 3 ½ lbs. / 1.6 kg

Mounting: Plate Mounted, Holes for Suspension, Grooves for Slot Usage.

Conduit Entry: One (¾" Cable Grip)

Environmental

Operating Temperature: 14°F to 120°F (-10°C to 50°C)

Temperature Compensation: Full Temperature Range

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

Electrical

Operating Voltage: 12-24VDC

Cable Requirements: 4-Conductor 18 AWG Suggested

Current Consumption: 50mA Full Scale

Output Signal: RS-485 or Conspec Legacy, 4 Open Collector Digital Output, ***Coming Soon - HART Communications Protocol Optional***

System

Sensor Type: Electrochemical, Infrared, Photo-Ionization Detector

Keypad: 4 Button Keypad or Infrared Remote Control

Modes: Two (Calibration & Normal)

Display: 3.5" (9cm) LCD Display

Status LED's: Green - Power; Red – Alarm; Yellow – Fault; Green – Comm.

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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