NTM Sensors
We sense a Green future ™

404 Enterprise Drive Lewis Center, Ohio 43035 614.842.6606

Product Introduction

FC Expo Big Site Japan

March 03, 2010

HYDROGEN SENSOR
SenseH$_2$™

Reliable, Quantitative, No False Positives, Insensitive to Humidity, High Selectivity, Rapid Response & Recovery

Hydrogen Sensor

Designed for HYDROGEN MONITORING, this chemi-resistive ceramic sensor exhibits a highly sensitive, selective, and rapid response to the presence of hydrogen in ambient air. It reliably measures hydrogen concentration levels over a wide range of temperature and humidity, measuring 0.2% ~ >4.0% of H_2 in air.

SenseH$_2$™ provides a repeatable and stable response to low levels of hydrogen, even in the presence of CO, CH_4 and VOCs. A key feature is the quick response and recovery time. This sensor is the first product in the NTM Sensors' advanced technology portfolio.

Features & Benefits

High sensitivity to H_2 yet insensitive to CO and CH_4,
providing a reliable signal without false positives.

Insensitive to humidity and temperature variation,
allowing use in widely varying environments

Linear and repeatable response to H_2 concentration,
allowing users to measure discrete H_2 levels

Rapid response and recovery times,
allowing measurement of transient leaks without false positives

Watertight 4 pin connector,
simple and common interface to external components

Built in diagnostics, short circuit, open circuit, and unit operating LED indicator,
facilitates ease of use

Durable and stable for long term operation,
lowering cost of ownership

energize *your* opportunities

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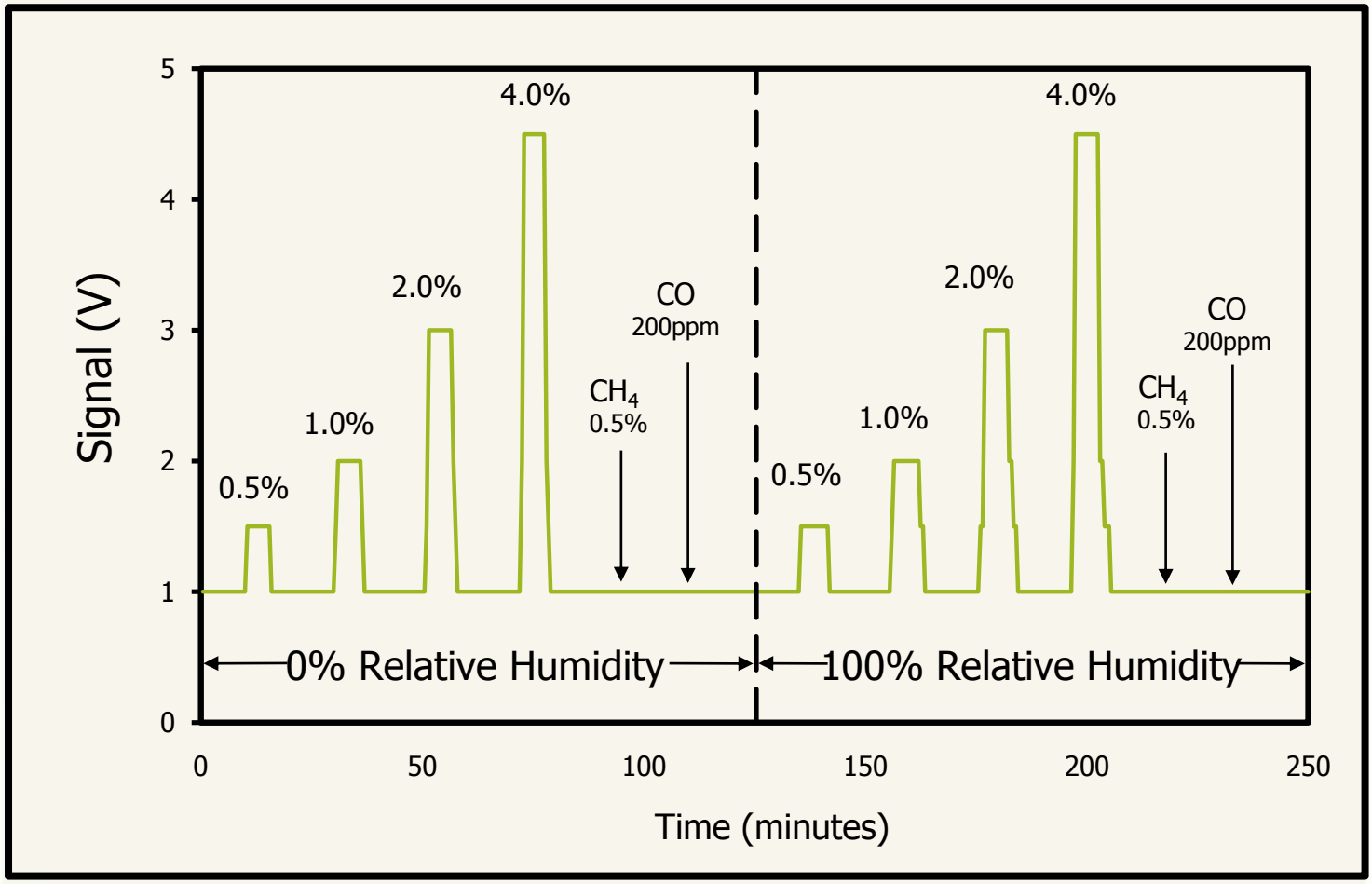
Key Characteristics:



Applications Where Our Sensors Excel:

- Hydrogen fuelled back-up power systems
- PEM Fuel Cell applications, such as motive applications including fork-lift trucks
- Hydrogen monitoring applications where high sensitivity and quick responses are required

Point of Contact: Rick Lesueur, rhl@nextechmaterials.com, 614.842.6606 x 128