



MIMOS Sensor Platform and Product (Mi-Sensor)

Real-time feedback on different physical parameters and site variables is invaluable to many industries today. MIMOS Mi-Sensor offers a line of cost effective, in-situ products that covers everything from water quality to environmental gas sensors. Mi-Sensor can facilitate medium and large industries through centralised remote monitoring and intelligent decision support system.

Overview

MIMOS Mi-Sensor offers product flexibility through its three modular main components. The three modular main components are sensor element (IDE, SenseFET, Osense), unified readout and short range wired (CAN Bus) or wireless transceiver (Mote). The sensor elements are encased in three different form factors to suit various specific applications: universal (U-Tip), insertion (I-Tip) and pipe (P-Tip).

Features

Mi-Sensor comprises the following features:

■ Robust and Reliable for Outdoor Usage

Mi-Sensor platform and products can withstand harsh outdoor environmental conditions and meet the IP65 standard.

■ Real-Time Data Measurement

Mi-Sensor offers in-situ real-time data measurement with remote monitoring capabilities via its comprehensive sensor management system.

■ Wireless Communications

Sensor information is transmitted via wireless communications using MIMOS Mi-Porta Mote (wireless transmitter/receiver), MIMOS Mi-Porta Router (extension) and MIMOS Mi-MESA (wireless gateway).

Technology Benefits

The main impacts of Mi-Sensor are:

■ Scalability

Mi-Sensor utilises open platform and modular design that prevents technology lock down and makes it cost effective for users to execute future system expansion according to operation needs.

■ Replaceable Sensor Elements

The sensor elements can easily be replenished as standalone orderable items thus lowering the overall operational cost.

■ Remote Monitoring

With Internet connectivity, Mi-Sensor web application makes it possible for users to remotely monitor and access data on their desktops or smart devices and use its user-friendly web interface for data visualisation and analysis.

Sensors

Mi-Sensor
Mi-MSCAN Tmini 1.0
Mi-MSCAN H 1.0
Mi-Sensor TcH 2.0*
Mi-MSCAN T 1.0
Mi-MSCAN M 1.0
Mi-Sensor M 2.0*
Mi-MSCAN TpH 1.0
Mi-Sensor TpH 1.1*
Mi-Sensor T-EC*
Mi-Sensor DO 1.0*
Mi-Sensor Glucose 1.0*
Mi-Sensor Bloodflow 1.0*

*Future Release

MIMOS is the leader in ICT innovations, pioneering new market creations for partners through patentable technologies for economic growth. For more information on MIMOS technologies, contact mimossolutions@mimos.my or go to www.mimos.my.



Technology Summary

Mi-Sensor

A solution that comprises a sensor platform and sensor elements to provide real-time feedback of physical parameters.

Industries: Environment, Healthcare, Agriculture, Aquaculture, Utilities, Automotive, Oil & Gas

Features

- Robust and reliable for outdoor usage
- Real-time data measurement
- Wireless communications

Technology Benefits

- Scalability
- Replaceable sensor elements
- Remote monitoring



*MIMOS registered design

MIMOS Mi-Sensor H (Humidity)



*MIMOS registered design

MIMOS Mi-Sensor TpH (Temperature & Acidity)