Sensor Evaluation Kit iSeries

Product code: Sensor Evaluation Kit iSeries

The Sensor Evaluation Kit, provides an easier way to demonstrate, simulate, and evaluate all City Technology iseries digital sensors. The kit interfaces a digital gas sensor to a board. The software controls the board to take readings from the gas sensors. Sensor measurements and communication commands are displayed on the user's PC and can be recorded to a .CSV file for further analysis. The board can also be used in simulation mode, where it behaves as a virtual sensor

Quicker, easier sensor evaluation: The Evaluation Kit and associated City Technology software simplify sensor evaluation and demonstration by eliminating the need for the customers to write any code.

Command set window: This function allows the user to visualize how the packets of data are being transferred and how the commands are executed, reducing considerably the development process.

Simulation mode: This mode allows the user to simulate the response of different sensors and their response to gases without the
need of having the physical sensor. Additionally, it is possible to simulate different sensor status, gas concentration readings, alarms
and errors.

Expedite development: The response of a virtual sensor can be emulated by using the simulation mode and connecting the board to
your instrument. The simulated response is configurable through the software.

The Evaluation Kit has a socket which fits all iseries digital gas sensors

• Digital output for all sensors: ppm, %O2, %LEL or %vol (depending on the type of sensor)
• OEM/partner code lock
• Configurable alarm settings
• Compatible with a wide range of sensors that are currently on development
• Allows the user to test the whole set of features and commands available for the iseries platform