Press release 401505-1

MiCS MOS: Easy air quality sensing MEMS based gas sensors from SGX Sensortech
Makes air quality monitoring in the car, home, workplace or environment hassle free

Pewatron launches the new air quality gas sensors from SGX Sensortech. The MEMS based MiCS MOS sensors simplify the process of detecting gasses that impact air quality. Using innovative metal oxide semiconductor chemistry (MOS) supported by a micro-electromechanical structure (MEMS), the core sensing technology provides a fast response to changes in the levels of a wide range of gasses including carbon monoxide, nitrogen dioxide, ammonia, ozone and VOC. The technology which has been produced in high volumes and to rigorous quality control by SGX for more than 10 years is well established in the automotive industry where it is linked with car HVAC systems to control air intakes.

The sensor program includes following sensors:

- MiCS-2614, ozone gas sensor (10…1000 ppb)
- MiCS-5524, carbon monoxide and volatile organic compound (VOC) gas sensor (0…500 ppm)
- MiCS-2714, nitrogen dioxide gas sensor (50 ppb to 10 ppm)
- MiCS-4514, carbon monoxide and nitrogen dioxide dual gas sensor (1…1000 ppm/50…5000 ppb)
- MiCS-5914, ammonia gas sensor (1…300 ppm)
- MiCS-6814, carbon monoxide, nitrogen dioxide and ammonia triple gas sensor (1…1000 ppm/50…5000 ppb/1…300 ppm)

In order for easy testing of the different models, Pewatron offers a MiCS quick start demo board. It allows the user to test the MiCS MOS gas sensors within minutes after opening the box. The MiCS quick start board can use any input power supply from 7V to 15 V. Any of the 6 sensors in the program can be individually tested by placing the sensor into the universal onboard IC socket, and by setting the 5 jumpers according to the diagram the circuit is configured for immediate testing of the sensor.

MiCS gas sensors in combination with MiCS quick start board module makes air quality sensing easy

About PEWATRON
PEWATRON specialises in physical and geometrical sensors, power supplies and e-components. PEWATRON delivers a wide assortment of electronic components ranging from standard products, modified standard products or customised solutions. PEWATRON works closely with developers and can be involved right from the start of a product development process to ensure that together with the customer, the best fitting component for the application is found.

PEWATRON, an independent company that belongs to the Angst+Pfister Group, has been serving customers in Europe with prompt and individual service for over 30 years. Through the Angst+Pfister Group, PEWATRON belongs to a world-wide network of over 1000 employees and 60 000 satisfied customers.

Press contact PEWATRON:
Urs Witzig, Marketing Manager
PEWATRON AG, Thurgauerstrasse 66, 8052 Zurich
Phone +41 44 877 35 02, urs.witzig@pewatron.com, www.pewatron.com