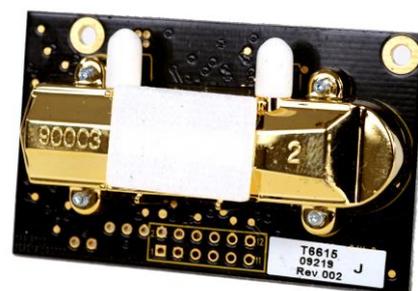


Dual Channel CO₂ Sensor Module for Environmental Monitoring in Buildings

Willow Technologies Limited (www.willow.co.uk) introduces the Amphenol **Telaire T6615 dual-channel CO₂ module**, designed to meet the volume, cost and delivery expectations of original equipment manufacturers (OEMs).



As a vital part of building monitoring systems, the T6615 module allows building owners and managers to **quickly, easily and efficiently monitor air quality and stay within regulation.**



Said Martin Pearce, Marketing Director, Willow Technologies Limited, “The T6615 module is a truly unique solution, one of the only dual channel small modules on the market, the design is based on 15 years of manufacturing and engineering expertise and provides an accurate, cost effective solution for OEMs.”

The T6615 is a dual channel Non Dispersive Infrared (NDIR) module, with a CO₂ channel that **measures gas concentration** and a reference channel that **measures the sensor signal intensity**. The reference channel allows the module to recalibrate automatically and is beneficial in applications where CO₂ levels do not drop to outdoor levels on a daily basis. The module has a measurement range of up to 50,000ppm, an accuracy of 75ppm or 10% at reading (whichever is greater). Stability over 10 years service life is better than 5% of full scale. It measures 57 x 35 x 15mm.

Applications include monitoring indoor environmental air quality in call centres, 24-hour retailers and any environment where there is no baseline to trigger recalibration.

The T6615 is a flexible CO₂ sensor platform designed to interact with other microprocessor devices and may be field calibrated. It performs periodic self-calibrations using the reference channel. The self-calibrations are approximately every 24 hours but can be initiated manually.

“The dual-channel optical system and three-point calibration process allow for enhanced stability, accuracy and reliability” concluded Pearce.

Editor Information

Founded in 1989, Willow Technologies is located in Copthorne, Surrey, UK. We provide electronic solutions to customers by designing, manufacturing and supplying components and systems globally to the electrical and electronic marketplace. Specialists in switching, sensing, resistive and hermetic seal solutions we have a wide portfolio of sensing technologies and over 60 years of application experience. Our in-house engineering capability and rapid prototyping facility for custom parts enable us to develop products to match specific application requirements. Willow is ISO9001:2000 registered.

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