INTRODUCING

AMBIMATE SENSOR MODULE DEVELOPMENT KIT MS4 SERIES

- **Accelerate time to market with a pre-engineered sensor solution**
- **Integrate the AmbiMate sensor module easily using the I²C communication protocol**

TE Connectivity's (TE) AmbiMate Sensor Module MS4 Development Kits allow a developer, with use of some downloadable code, to connect to either a Raspberry Pi or Arduino and start collecting data within 30 minutes. Time to market is accelerated by integrating the MS4 series, which frees design resources. The MS4 series is a pre-engineered, four core sensor solution for motion, light, temperature and humidity applications. Other MS4 series sensor modules include VOC (Volatile Organic Compound), eCO_2 and sound detection. All MS4 series sensor modules offer the flexibility to share a common seven position connection.

KEY BENEFITS

- Save space with a compact design
- Provide a versatile solution with multiple attachment methods
- Allow for multiple sensor configurations and flexibility in design with one footprint
- Required parts included to interface with a Raspberry Pi and Arduino

APPLICATIONS

- Indoor Lighting
- Building Automation
- Connected Home
- Air Quality
- Energy Management
- Work Space Comfort
- Zonal Environmental Controls

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AmbiMate Development Kit Product Flyer

AmbiMate Development Kit Product Listing Page

AmbiMate Landing Page

AmbiMate Development Kit Parts List

Application Software for AmbiMate Development Kit

ELECTRICAL

- 3.3 VDC input, I²C Output (10k Baudrate)
- Interrupt driven event pin for motion
- Design optimized for maximum battery life

MECHANICAL

- Temperature: 5˚C to +50˚C ±0.3˚C accuracy, 1 second acquisition rate
- Relative Humidity: 5% to 95% RH, 2% accuracy, 1 second acquisition rate
- Motion: Interrupt driven, response <0.5 seconds
- Ambient Light Level: 1 second acquisition rate
- Microphone: Analog audio and interrupt driven option, response <0.5 seconds
- VOC: 0-1187ppb, 60 second acquisition rate
- eCO_2: 400-8192ppm, 60 second acquisition rate, (an equivalent eCO_2 measurement based on total VOC concentrations)

STANDARDS & SPECIFICATIONS

- Application Specification: 114-133092
- Product Specification: 108-133092