# MODEL 1510

# AIR QUALITY DATA LOGGER

## Monitor $CO_2$, temperature, and humidity for a healthy environment

## FEATURES

► $CO_2$, temperature, and humidity logger

► Free app available from Android and Google Play stores

► Compact and stand-alone: for mounting or portable use

► User-friendly: comfort indicators based on the CO2, temperature and humidity levels

► Accurate: complies with the latest standards concerning air quality monitoring

► Quick, simple data download using supplied DataView® software

► On-site calibration test module with adapter, tube and software for adjusting the zero and thresholds

## Products 2138.08 & 2138.09 Include

- Meter in carrying pouch
- Adapter - US wall to USB
- 6ft USB cable
- 2 AA batteries
- Quick start guide
- User manual and DataView® application software included on USB Drive

## Accessories/Replacement Parts

- 2138.61    Wall Mount Holster (Gray)
- 2138.62    Desktop Stand (White)
- 2153.78    Adapter - US Wall Plug to USB
- 2138.67    Wall Mount Holster (White)

## SPECIFICATIONS

| $CO_2$ Measurement | |
|---|---|
| Measuring Principle | Non-dispersive infrared (NDIR) technology |
| Type of Sensor | Double-beam infrared cell sensor |
| Measurement Range | 0 to 5000 ppm |
| Accuracy ($CO_2$) | ±50 ppm ±3% of value measured |
| Response Time, 63% | < 200 seconds |
| Resolution | 1 ppm |
| Temperature Measurement | |
| Type of Sensor | CMOS |
| Units | °C or °F |
| Measurement Range | 14° to 140°F (-10° to 60°C) |
| Accuracy | ±0.1°F (±0.5°C) |
| Resolution | 0.1°F (0.1°C) |
| Humidity Measurement | |
| Type of Sensor | Capacitive |
| Measurement Range | 5 to 95% RH |
| Accuracy | ±2% RH |
| Resolution | 0.1% RH |
| General | |
| Recording Interval | Programmable from 1 minute to 2 hours |
| Storage | > 1 million measurements |
| Alarm | Yes |
| Backlighting Display, Hold, Min & Max | Yes |
| Auto Power OFF | Yes (in portable mode only) |
| Dimensions/Weight | 4.92 x 2.58 x 1.26" (125 x 65.5 x 32mm)/ 6.7oz (190g) with batteries |
| Protection | IP40 |
| Compliance | IEC 61010-1, 50V CAT II – IEC 61326-1 |
| Power Supply | Alkaline batteries: 2 AA or rechargeable battery connection to 120V 60Hz line/USB to wall adapter |
| Communication | Bluetooth (Class I) wireless communication/USB link; the product is then recognized as a USB drive for easy file transfer |
| Mounting | Optional padlockable wall mount (padlock is not included), optional desktop stand and tear drop wall hook |
| DataView® Software | Graphic representation or as table of values, data export, real-time mode calculation of the confinement index with selection of presence periods & report generation |

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