**Air quality monitors gas**

**2BTech model 106 Ozone**

***Description:***

The Model 106 series of ozone monitors comprise single beam ozone monitors similar to the Model 202 in size, weight and power consumption. The 106-L, -M,-MH and -H instruments were originally designed for industrial ozone applications. However, the lower cost 106-L ozone monitor may be used for air pollution studies as well and is installed at more than 100 stations around the world in our Global Ozone Project educational outreach program. The Model 106-L has been designated by the US EPA as a Federal Equivalent Method (FEM). The Model 106-L was designed for manufacturability, resulting in a lower cost and more robust instrument. In the near future, the Model 106 series will include a touchscreen as the user interface.

***Specification:***

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| **Measurement Principle** | UV Absorption at 254 nm |
| **Measurement Interval** | 2 s |
| **Data Averaging Options** | 10 s, 1 min, 5 min, 1 hr |
| **Flow Rate** | ~1 Liter/min; Up to 20 L/min for Model 106-H |
| **Data Storage** | 32,736 lines (10 s avg. = 3.7 days; 5 min avg = 113 days) |
| **Choice of Units** | ppb, ppm, pphm, µg m-3, mg m-3 (for Models 106-L and 106-M)ppm, mg m-3 (for Model 106-MH)vol%, wt% air, wt% O2, g/m3, g/Nm3 (for Model 106-H) |
| **Data Outputs** | USB, RS232, 0-2.5 V Analog, 4-20 mA, LCD Display |
| **Power Requirements** | 12 V, 500 mA, 6 watt |
| **Size** | 3.75 x 8.5 x 8.5 inches (9.5 x 21.6 x 21.6 cm) |
| **Weight** | 4.5 lb (2.0 kg) |