

Model 580S II Air Analyzer

Portable Photo Ionization Detection
for Industrial Hygiene Monitoring



Typical Applications

- ◆ Chemical incident response
- ◆ Process equipment leak detection
- ◆ Environmental surveys
- ◆ Leaking underground storage tanks
- ◆ Emergency response
- ◆ Arson and drug lab investigations
- ◆ Detection of contaminated soil and water

The 580S II represents the latest in air analysis technology matched with operational simplicity. It's designed to respond quickly in emergency situations, yet exhibits plenty of brainpower when you need it for complete data analysis. Utilizing proven photo ionization detection technology, the 580S II measures a wide variety of chemicals for emergency response, industrial hygiene and environmental applications.

The unique case design fits comfortably in your hand, and the raised keypad makes it easy to operate, even with heavy hazmat protection gloves. The housing is made of chemically resistant PC/ABS plastic for trouble free cleanup. The wide view display with extra large digits provides

effortless results, even with a full face respirator. Plus, simultaneous real-time measurements and maximum hold readings give you all the important information you need without having to switch modes. And, the visible and audible alarms let you know when you are over your limits.

Our menu-driven operation is straight forward, even for the beginner. And the simplicity of use doesn't stop there. Our EZ connect software lets you download lots of data with the click of a button, offering complete data logging and report writing capability.

The 580S II is intrinsically rated for hazardous environments.

Comprehensive Service Solutions

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. Thermo Electron offers comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, Thermo services help protect the return on investment (ROI) and total cost of ownership of your Thermo Electron air quality products.

Model 580S II Product Specifications

Detector	Photo Ionization
Size	12"(H) x 4.25"(W) x 3.5"(D) 30.5cm (H) x 11cm (W) x 9cm (D)
Weight	3.0 lbs. (1.36 kg)
Housing	Chemically resistant blend of PC and ABS plastic
Readout	Large (128 x 64) graphic LCD with wide viewing angle. Displays real-time and maximum readings simultaneously
Measurement Range	0.1 ppm to 25,000 ppm with dilution probe
Alarm Levels	Audible and visual alarms at user-definable peak and STEL levels
Response Time	Less than 4 seconds
Flow Rate	275 ml/min nominal
Power Supply	Rechargeable NiCad battery with charger 120VAC/60HZ or 240VAC/50Hz power
Outputs	Analog, 0 to 0.85 volts (user selectable) 9-pin RS-232 to PC Headset jack
Safety Approvals	UL for Class I, Division 1, Groups A, B, C, and D CENELEC version: EEx ib IIC T3

The 580S II is packaged with all the necessary components to do the job right

- ◆ Battery charger
- ◆ Recorder cable
- ◆ Instruction manual
- ◆ Lamp tool
- ◆ Hand strap
- ◆ Lamp cleaner kit
- ◆ Water traps
- ◆ Soft side carrying case
- ◆ Standard probe
- ◆ Automobile charger adapter
- ◆ RS 232 communication cable
- ◆ EZ Connect Microsoft Windows software
- ◆ Charcoal scrubber probe



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