



$\textbf{2020ComboPRO}^{\text{\tiny M}}$

Portable Photoionization Detector

The INFICON 2020ComboPRO portable photoionization detector (PID) provides versatility for overall volatile organic compound (VOC) monitoring in environmental, emergency response and industrial hygiene applications. Designed with field professionals in mind, the 2020ComboPRO is small, lightweight, and easy to use.

WHEN RAPID RESULTS ARE VITAL

HazMat and emergency response teams require portable, reliable instruments to quickly characterize spills and contaminated sites. The 2020ComboPRO provides sample analysis and results in less than three seconds. Rapid results are vital to responder safety to determine the level of personal protective equipment (PPE) required, and the appropriate clean-up actions. Fast evaluation of the contamination present is also crucial to determine the hazard to the surrounding community and to establish a safety perimeter around the site.

SAFE ENOUGH FOR EVEN THE MOST EXPLOSIVE ENVIRONMENTS

During an emergency, in an unknown, potentially explosive environment, emergency responders can be confident they can safely operate the 2020ComboPRO. It is certified as Intrinsically Safe to North American UL and ATEX standards for use in potentially explosive environments.

FEATURES AT A GLANCE

- Intrinsically safe
- Exceptionally simple calibration and operation
- Total volatile organic compound (TVOC) measurement
- Quick-connect pre-filter tube for benzene measurement
- Large, simultaneous information display
- Rugged design

APPLICATIONS

- Chemical incident response
- Site characterization and remediation
- Benzene exposure monitoring
- Indoor air quality

SMALL ENOUGH TO TAKE ANYWHERE

The instrument weighs a mere 1.9 lb., and is small enough to carry and operate with one hand. Despite its small size, the 2020ComboPRO is equipped with a large graphical display that is easy to read, even when wearing a full-face respirator. The large keypad buttons are easily accessed even with heavy hazmat gloves.

PROVEN PID TECHNOLOGY COUPLED WITH FLEXIBILITY

The 2020ComboPRO represents the newest advancement in volatile organic compound (VOC) measurement coupled with operational simplicity. It measures a wide variety of chemicals for environmental, industrial hygiene, and emergency response applications. The 2020ComboPRO can monitor a broad range of compounds with the 10.6 eV lamp or the optional 11.7 eV lamp. Plus, with a quick connect pre-filter tube assembly, it can measure benzene, a critical compound to identify in many environmental and industrial monitoring activities. The 2020ComboPRO PID is the instrument of choice for personal safety monitoring because it responds best to the more toxic VOCs, such as benzene.

IDEAL FOR USE AS A SCREENING TOOL GIVEN ITS BROAD DETECTION RANGE

The 2020ComboPRO can detect a wide range of VOCs from 0.1 to 10,000 ppm. Given its broad detection range and capabilities, the 2020ComboPRO is an ideal screening tool for VOCs in soil or water static headspace. It is also ideal for site screening to determine the extent of contamination present by providing the concentration as well as defining the perimeter.

EXCELLENT TOOL FOR SITE MONITORING

The 2020ComboPRO can be used for site monitoring to insure worker safety. In Interval Mode, the 2020ComboPRO automatically calculates and records PEAK, STEL, and TWA at a user selected interval. With datalogging capability supporting up to 200 hours of 1 minute sampling data, the 2020ComboPRO will handle short- and long-term monitoring requirements.

RETRIEVE DATA WITH THE PUSH OF A BUTTON

Simultaneous real-time measurements provide all the important information you need without switching modes. The 2020ComboPRO provides operational simplicity, and calibration is quick and easy. Plus, the ease of use doesn't stop there—our ProComm software lets you download data with the push of a button, offering datalogging and documentation capability.



ABOUT INFICON

INFICON provides essential toxic chemical analysis instrumentation for emergency response, security and environmental applications, as well as gas leak detection products for air conditioning/refrigeration manufacturing and repair. INFICON products and expertise also provide process-intelligent information for timely decisions in the complex fabrication of semiconductors and thin film coatings for flat-panel displays, solar cells, magnetic and optical storage media, scientific and consumer optics, and architectural glass coatings. INFICON is headquartered in Switzerland and has world-class manufacturing facilities in Europe, the United States and China, as well as subsidiaries in China, Finland, France, Germany, Italy, Japan, Korea, Liechtenstein, Singapore, Sweden, Switzerland, Taiwan, the United Kingdom and the United States. INFICON registered shares (IFCN) are listed on the SIX Swiss Exchange. For more information about INFICON and its products, please visit www.inficon.com.

2020ComboPRO SPECIFICATIONS

Operating Temperature	0°C to 50°C (32°F to 122°F), I/S Certified temperature: 0°C to 40°C (32°F to 104°F)
Operating Humidity Range	0 to 95% relative humidity (non-condensing) With optional humidity pre-filter tube in VOC
Altitude and Storage Temperature	Up to 10,000 ft. (3000 m), -10°C to 65°C (14°F to 149°F)
L x W x H	9 in. x 4.25 in. x 3 in. (228.6 mm x 107.9 mm x 76.2 mm) at display, unit tapers to 2.6 in. (66.6 mm) at handle
Weight	1.9 lb. (0.86 kg)
Battery Type	Nickel cadmium rechargeable cell with intelligent charger
Electrical	USA / Canada Input: 120 V (ac), 60 Hz, 21W. Output: +12 V (dc), 1000mA All other Countries Input: 100-250 V (ac), 50-60 Hz, 0.5-0.3A. Output: +12 V (dc), 2.08A (Same Regulatory Approvals)
Battery Life	8 hr.
Data Logger Memory	VOC mode: 15,000 readings stored Benzene mode: 200 hours at 1 minute interval sampling
Keypad	Two dedicated keys (ON/OFF and CAL) and three menu keys
Display	2-3/8 in. x 1-3/4 in. (6.03 cm x 4.45 cm), 8-line, 128 x 64 graphic LCD
Sample Introduction	Onboard pump through 1/8 in. (3.175 mm) fitting
Response Time	VOC mode: Less than 3 seconds to 90% Benzene mode: Less than 60 seconds to 100%
Communication	RS-232, 9600 Baud, 8 bits, no parity for connection to Windows-based PC
Audio Alarm	85 decibels
Sample Type	VOCs in air/gases
Detector	Photoionization 10.6 eV UV lamp standard, optional 11.7 eV
Detection Limit	VOC Mode: 0.1 ppm to 100 ppm and 100 ppm to 10,000 ppm (isobutylene equivalent) Benzene mode: 0.1 ppm to 40 ppm (isobutylene equivalent)
Accuracy	±10% or ±2 ppm, whichever is greater
Precision	1% of calibration (calibrated with 100 ppm isobutylene)
Dynamic Range	5 decades
Languages	English is standard; Optional: Spanish, German, French, Italian
Intrinsic Safety	Class 1, Division 1, Groups A, B, C & D ATEX II 2 G EEx ib IIC T4 (TA = 0°C to + 40°C)

PROVEN SOLUTIONS[™]



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