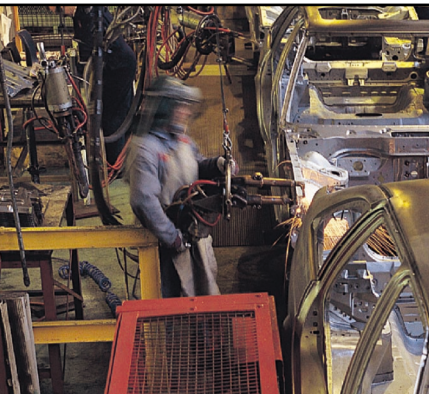


2020



PHOTOIONIZATION MONITOR

The Photovac 2020 PID is ideal for the fast detection of Volatile Organic Compounds (VOCs) under harsh field conditions. Weighing less than 2 lbs, the 2020 PID is light, yet rugged. Samples are drawn in through the internal pump and results are displayed in less than 3 seconds on the large, easy-to-read, backlit LCD display.

Take advantage of proven technology

The instrument operates all day long using photoionization, the technology of choice for detecting VOCs in air, soil and groundwater. The 2020 is equipped standard with a 10.6 eV UV lamp, and has an optional 11.7 eV UV lamp for ionizing chlorinated compounds. And the Photovac photoionization detector is humidity-compensated so you can rely on the results.

Rely on it hour after hour

Operating independently, the 2020 will run for at least 10 hours. Results are automatically displayed within the operating concentration range of 0.5 - 2000 PPM. Or use the optional dilution probe to detect concentrations up to 20,000 PPM. Alarm levels for PEAK, STEL and TWA are user-set. When alarm levels are exceeded both audible and visual alarms are activated. The 2020 PID is classified as Intrinsically Safe in North America [Class I, Division 1, Groups

A, B, C, and D] and Europe [EEx ib m IIC T4] for use in potentially explosive environments.

Easy to use

The 2020 has 3 fixed keys and 3 function keys to simplify operation. Calibration is a easy 2-step procedure that holds for a full workday.

See and store results in seconds

The 2020 reports the level of contamination on its large backlit display. In addition, a powerful data logging memory allows a large number of points to be sampled. The stored results can then easily be downloaded to a PC using Windows® Hyperterminal™. The 2020 can also be pre-set to sample at intervals for tracking of VOC levels over time or for calculation of 8-hour exposure levels.

Easy to maintain

The typical maintenance required is replacement of the water/particulate inlet filter and occasional cleaning of the UV lamp. The lamp is easy to remove for cleaning or replacement.

RUGGED enough for the harshest conditions. **SENSITIVE** enough to meet 1 PPM detection requirements.

2020



2020

Detectable Compounds

Aromatics - Benzene, Toluene, Naphthalene

Unsaturated Hydrocarbons - Acetylene, Ethylene, 1,3-Butadiene

Chlorinated Hydrocarbons - Vinyl Chloride, Chloroform, Trichloroethylene, Methylene Chloride

Ketones - Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone

Alcohols - Methanol, Ethanol, Isopropanol, n-Butanol

Organic fuels - Gasoline, jet fuels, etc. which are mixtures of hundreds of different compounds, including aromatics.

Please note: This list provides examples of the types of compounds detectable by the 2020. Please contact Photovac Technical Support for details on specific compound detection.

For further information on Photovac products, or to arrange a product demonstration, please contact a Photovac representative near you, email us at admin@photovac.com or contact Photovac, Inc.

Specifications

Size

25.4 cm (10") long, 7.6 cm (3") wide, 5 cm (2") high

Weight

0.8 kg (1.75 lbs.)

Detector

Instant on photoionization detector with standard 10.6 eV UV lamp, optional 11.7 eV lamp available

Keypad

3 fixed function keys and 3 menu keys

Status Display

2-line, 16-character dot-matrix, backlit, liquid crystal display for alphanumeric readouts and menu key display

Meter Display

4-digit for real-time concentration readout with backlight

Datalogger Memory

16 kilobytes or 1000 entries

Serial Output

RS-232 for tabular and graphic printouts and connection to Windows® based PC

Audio Output

95 decibels @ 2048 Hz, on Alarm

Inlet Connection

1/8" compression fitting

Operating Temperature Range

0°C to 40°C (32°F to 105°F)

Operating Humidity Range

0 to 100% relative humidity (non-condensing)

Operating Concentration Range

0.5 PPM to 2000 PPM isobutylene equivalent

Response Time

Less than 3 seconds, to 90%

Accuracy

± 10 % or ± 2 PPM, whichever is greater

Low Detection Limit

0.5 PPM isobutylene

Intrinsic Safety

Class I, Division 1, Groups A, B, C, & D Zone 1 locations
Ex ib m IIC T4, Demko No. 95D 119 472



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