Pocket Smoke™

Applus+ Technologies is a leader in developing, implementing and managing innovative technology and system solutions that enable customers worldwide to address their business and environmental challenges.

In the area of monitoring technologies, Applus+ provides a full line of smoke meters for both domestic and international applications. Applus+ meters are widely used to check and document compliance with environmental standards, assess potential impacts on the health and safety of employees and customers, and improve fuel or operational efficiency of equipment.

The Applus+ line of Pocket Smoke™ meters offers diagnostic testing for diesel opacity levels. Its unique design combines the latest wireless handheld technology, which sets a new standard for performance and ease of use in a portable smoke meter. The functionality of our software platform enables a quicker, easier test than other smoke meters and thus reduces costs and increases efficiencies.

These units, while originally designed for vehicle emissions, can be easily customized to test smoke emissions for a wide variety of emitters of combustion including industrial plants, incinerators and boilers.

Pocket Smoke™ meters are designed to test both heavy and light duty equipment. The Heavy Duty package includes a meter that operates at the end of the vertical stack and is designed to meet US and Canadian SAE J1667 specifications. The Light Duty package includes a partial flow smoke meter and is designed to meet European specifications for testing light-duty vehicles.

The Heavy and Light Duty meters are both capable of collecting a large amount of data, which is easily integrated into an overall data management and business intelligence infrastructure. Pocket Smoke's™ unique software platform allows users to easily adjust test sequences and duration in certified testing, research and development. It also enables conversion of test results between unit measurement systems. Both meters use industry standard display parts, thus eliminating expensive service requirements.

Pocket Smoke™

Heavy Duty SAE J1667

- The Heavy Duty J1667 diesel smoke meter is used in the stack of the vehicle under test. This meter meets or exceeds the SAE J1667 specifications used in the US and Canada for testing heavy duty vehicles and is also approved in many states and provinces.

- The meter comes standard with the latest Windows® software for testing and diagnostics and can be operated using either 12 volts DC or the internal battery

- The meter includes a telescopic pole for effortless installation

- The meter design is durable and is made of lightweight high strength steel

Light Duty MOT (European Model)

- The Light Duty MOT diesel smoke meter is recommended for light duty testing or applications where a partial flow meter is recommended

- Design meets the opacity measurement requirements of PTB in Germany, MOT in the UK, ISO 3173 and is also approved in many countries around the world

- The package includes a heavy-duty hose and stainless steel probe and is available in both 110 and 220/240 VAC

- The hardware utilizes a green LED (550–570 nm) light, which is compensated for temperature variations. The unit also includes a calibration filter to assure an accurate opacity measurement.

- Can be operated as either a stand-alone meter, with a portable or laptop computer, or with a complete heavy-duty PC stand

Additional Features

- Measures diesel smoke in both percentage and density (m-1, K)

- Meets or exceeds US SAE J1667 and European MOT standards

- Provides clear graphical displays of Snap acceleration diesel test

- Powered by an internal battery or an external power cord

- Detachable display allows easy viewing at all angles

- Contact manager gives quick storage and retrieval of customer's names and phone numbers

- Specification database can be edited, which allows for easy comparison of test results to pass/fail limits

- Easy-to-use menus and buttons make operation simple

- Easy-to-read touch screen displays available in either black and white or color

- International design allows Pocket Smoke™ results to be easily translated into languages other than English

- Pocket Smoke™ is manufactured by Applus+ AutoLogic, a division of Applus+

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