

The diesel opacity meter is designed as a reliable portable meter for light and heavy-duty diesel vehicles.



The MD-SMK-DT diesel opacity smoke meter is designed to measure particle content of a diesel engine exhaust. The analyzer is interfaced to the position computer via RS-232 allowing automated testing and accurate pass / fail analysis. The diesel opacity meter is integrated with Mustang Dynamometer series chassis dynamometers or 3/4/5 gas analyzer systems.

Features:

- Opacity, RPM, and Oil temp in one compact meter
- Low power sampling head
- RS-232 communication
- Auto-ranging optical sensor
- Commercial vehicle exhaust sampling pipe kit available

MD-SMK-DT

DIESEL OPACITY SMOKE METER

Type:

Partial flow opacity

Sampling Head

Dimensions: 450 x 200 x 80 mm
Weight: 3.2 kg
Construction: Weather Resistant
Opacity Sensor Type: Optical
Cable length: 10, 20 m
Power Requirements: 30 VAC, 75 W *(Provided by interface unit)*

Interface Unit

Dimensions: 290 x 155 x 100 mm
Weight: 3.9 kg
RPM Measurement: Piezo clamp, Photo eye
Oil Temperature Probe: Thermistor
PC Communication: RS-232, 9600 Baud
RS-232 Cable Length: 15 m
Power Requirements: 110 or 220 VAC single phase

Operating Conditions

Operating Temp: -15° to 40°C
Relative Humidity: 10 to 90 % (non-condensing)

Range:

0 to 100 % opacity

Accuracy:

1.0 % full scale (static)

Sampling Pipes

Flexible stainless steel, 10 mm dia.

Standard Light-Duty Vehicle: 875 mm
Commercial Vehicle Sampling Kit: 1,255 mm



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• Specifications subject to change without notice



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