

MEXA-600S

Opacity Smoke-Meter

Compliance with ISO 11614

Light Extinction Smokemeter. Enhanced Accurate Measurement of Low Density Smoke in Diesel Exhaust.

HORIBA's MEXA-600S Opacity Smokemeter is the best choice for your diesel smoke measurement requirements. Since compliance with the ISO 11614 international standard for vehicle smoke has been a major concern for diesel manufacturers and users, the MEXA-600S is specifically designed to meet this ISO requirement. The MEXA-600S employs the opacity method to provide exceptional accurate and stable measurements, giving a performance far superior to that obtained using conventional light-reflecting techniques. The new HORIBA opacimeter — a sure solution to global environment issues !

Remote control operation



With a remote controller, the MEXA-600S can be operated from inside a test vehicle, while the accelerator On/Off timing display makes the measurement simple and certain.

Oil temperature and engine speed measurement

k VALUE	1.700
OIL TEMP	35 °C
REV	3500 rpm
OIL TEMP	80 °C

Optional sensors for oil temperature and engine speed can be connected to the opacimeter, besides measurement data are displayed together with the smoke concentration.

High reliability

The MEXA-600S measures the opacity of diesel smoke by the light extinction principle. A small volume of the total exhaust is passed through a sample cell where the light absorption is measured. High repeatability is ensured via a simple calibration check function using optical filters.

Varied data input/ output

In addition to the standard LCD display and built-in printer, the MEXA-600S is also equipped with an RS-232C host connection, providing easy access and processing measurement results.



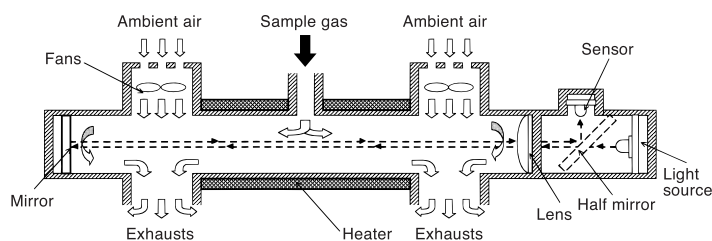
MEXA-600S Opacity Smoke-Meter



Specifications

Application:	Measurement of diesel engine smoke emission
Measurement principle:	Opacity method (partial flow sampling)
Measurement range:	Opacity (N) 0.00 % to 99.9% Light absorption coefficient (K) 0.000 m ⁻¹ to 9.999 m ⁻¹
HOST communication:	RS-232C [Standard]
Printer:	Built-in printer [Standard]
Power supply:	100/115/230 V AC, 50/60 Hz (Power cable 3m)
Power requirements:	Approx. 200VA
External dimensions:	Control unit: 260(W)×335(D)×157(H)mm Detector unit: 472(W)×258(D)×395(H)mm [Including frame]
Mass:	Control unit: Approx. 3.5kg Detector unit: Approx. 6.5kg [Including frame]
Sample gas probe:	Dedicated probe (L=2.5 m, I.D.=10 mm)

☐ Partial flow Opacity method with quick response and high repeatability



☐ Dedicated built-in printer

Hard copy record of measurements results via the built-in control unit printer.



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***** VEHICLE INSPECTION *****
***** REPORT *****
Date : 12.Mar,2008
Time : 10:48
Vehicle number :
Place :
Regulation : 0.800 m1
Result :PASS

***** Peak value *****
1 : 0.709 m1 2173 rpm
2 : 0.719 m1 2175 rpm
3 : 0.690 m1 2159 rpm
4 : 0.681 m1 2168 rpm
*****
Average 1- 4
0.699 m1 2168 rpm
Max diff
0.038 m1 16 rpm
*****
MEXA-600S
HORIBA,Ltd.
    
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Example of printing



Please read the operation manual before using this product to assure safe and proper handling of the product.

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