EXFM-ONE employs an ultrasonic method for measuring exhaust gas flow rates directly from a vehicle or engine. The unit can be used for various applications such as real-time mass measurement of raw exhaust gas combined with MEXA-ONE (Motor Exhaust Gas Analyzer), or for Particulate Matter/emission measurement combined with partial flow dilution system such as MDLT (Partial Flow Dilution Tunnel) or BMD (Bag Mini Diluter).

Fuel consumption evaluation is also available when EXFM-ONE is paired with an optional air-to-fuel ratio (AFR) analyzer.

- **Wide range of flow measurement**: 0 m³/min to 10 m³/min
- **Fast Response**: Less than 0.5 seconds t_{0.90} response
- **Integrated into HORIBA ONE PLATFORM** or connected to host computer

HORIBA ONE Series measurement devices such as MEXA-ONE and EXFM-ONE employ the newly developed software platform “HORIBA ONE PLATFORM”. The new platform enables the user to manage measurement and quality check results of EXFM-ONE and other devices on a single display. This single user interface increases efficiency and optimizes user control over the entire testing process.
**Real-time Mass Emission Measurement of Medium / Light-duty Engines**

- Engine and catalyst behavior analysis during transient test cycles

**PM Measurement of Medium / Light-duty Vehicles using MDLT**

- Flow control of partial flow sampling system such as MDLT at vehicle test

**Easy and Instantaneous Fuel Consumption Measurement**

- Real-time fuel consumption measurement of vehicles with an optional air-to-fuel ratio (AFR) analyzer

- Excellent correlation from idling to high speed driving

- Example of real-time fuel consumption measurement (comparison with dilution sampling method)

- Rapid response after fuel shut-off operation

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

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**EXFM-ONE Applications**