

# A High Temperature Direct Vehicle Exhaust Flowmeter for Heavy Duty Diesel Emission Measurements.

Poster P-08

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# Accurate emission measurement requires: Ultrasonic Flowmeter ,1% accuracy

- Commercially available exhaust flowmeters are limited to  $<400\text{ C}$
- Heavy-duty diesel exhaust exceeds  $600\text{ C}$
- Ceramic ultrasonic transducers are designed for high temperatures:
- HDD ultrasonic exhaust flowmeter has no limitations for engine size or load

