EXPERTS IN THE USE OF
PORTABLE EMISSIONS MEASUREMENT SYSTEMS
AND THE INTERPRETATION AND ANALYSIS OF REAL-WORLD DATA

www.emissionsanalytics.com
EMISSIONS ANALYTICS
is the leading independent global testing and data specialist for the scientific measurement of real-world emissions and fuel efficiency for passenger and commercial vehicles and non-road mobile machinery.

We are headquartered in Oxford, UK, with facilities in Stuttgart, Los Angeles and Seoul.

ABOUT US
Founded in 2011 by Nick Molden, Emissions Analytics has rapidly established itself as a global authority on real-world vehicle emissions.

Amid a rapidly changing political and industry narrative around vehicle emissions and air quality, Emissions Analytics contributes to work in the European Union, for the UK government and a wide variety of international media outlets.

REAL-WORLD TEST DATABASE
Emissions Analytics has independently tested over 1,600 passenger vehicles in Europe and USA using PEMS. Each year we test approximately 500 vehicles.

Our proprietary EQUA Index test cycle compares the real-world performance of vehicles. The resulting database is the world’s largest commercially available RDE database, the EQUA Index.

• European and North American databases available
• Test cycle methodology allowing historic comparison
• EQUA Index test cycle based upon urban, rural and motorway driving
• Test results record real-world MPG, CO, CO₂, NOₓ
• Particle number to be added from 2018
• Vehicle meta data and test conditions recorded

Headline ratings are free, via equaindex.com, while detailed test and meta data are available via subscription.
CUSTOM TESTING

Whether for R&D, regulatory preparation or benchmarking, our customers turn to us for unrivalled expertise in the application of Portable Emissions Measuring Systems (PEMS).

We measure fuel economy, gaseous emissions and particulates - both mass & number.

TYPES OF TESTING

• Benchmarking – vehicles and products, such as fuels
• Intervention – before and after testing for products, such as additives
• Regulatory – pre-type-approval design and validation and post-type-approval in-use surveillance and testing for Real Driving Emissions (RDE), and Worldwide harmonized Light vehicles Test Procedure (WLTP)
• Non-regulatory - off-cycle real-world testing
• Problem diagnosis and resolution

WHAT WE MEASURE

• Carbon monoxide (CO) and Carbon dioxide (CO₂)
• Nitric oxide (NO) and Nitrogen dioxide (NO₂)
• Oxides of Nitrogen (NOₓ = NO + NO₂)
• Total hydrocarbons (THCs)
• Particulates down to the ultrafine level
• Fuel economy (MPG) and fuel consumption (L/100km)

WHAT WE TEST

• Passenger cars
• Light commercial vehicles
• Heavy duty vehicles
• Non-road mobile machinery (NRMM)
• Marine vessels

CONSULTANCY

Led by Nick Molden, the Emissions Analytics’ management team offers expert commentary in the following areas:

• Expert witness
• Investment research
• Policy development in air quality and transport
• Technical analysis
• Regulations
• Public communications