On-board Transient Real-World Driving Emissions Data Processing and Analysis with Real-time Monitoring

- Easy identification of RDE issues
- Rich purge optimisation following decel fuel shut-off
- Cold start and catalyst light-off
- Hybrid re-start optimisation
- Enhanced lambda control
- SCR injection control

View video at: www.cambustion.com/products/rde

Effect of SCR Dosing Rate on Tailpipe NO\textsubscript{x} Emissions During Steady State RDE Cruise

A: High levels of NO\textsubscript{x} in the tailpipe
B: Rapid injections reduce tailpipe NO\textsubscript{x}
C: Intermittent injections with NO\textsubscript{x} spikes in-between
D: Rapid injections reduce tailpipe NO\textsubscript{x} again
Key Features:

• $T_{10-90\%}$ response time < 10 milliseconds
• Engine-out and tailpipe measurement (two channels)
• Direct correlation with ECU data without data delays
• Integration with GPS for urban air quality hot-spot studies
• RDE or lab configuration with simple switch-over
• FID, CLD and NDIR measurement of HC, NO$_x$, CO & CO$_2$

View video at: www.cambustion.com/products/rde