

iDash Parameter List - 2014 BMW 3 Series 2.0L Diesel

Air Density		
Label	Description	Unit
THR-DD	Delta Density - Throttle	LB/1KFT3
THR-DD	Delta Density % - Throttle (J607)	%
AAD	Density - Ambient Air	LB/1KFT3
BAD	Density - Boost Air	LB/1KFT3
MAD	Density - Manifold Air	LB/1KFT3
AAD	Density % - Ambient Air (J607)	%
BAD	Density % - Boost Air (J607)	%
MAD	Density % - Manifold Air (J607)	%
DN-ALT	Density Altitude	FT
D-RAT	Density Ratio - System	%
PR-ALT	Pressure Altitude	FT
J1349	SAE J1349 Correction Factor	
J607*	SAE J607 Correction Factor	
SAT-P	Saturation Pressure	INHG
VAP-P	Vapor Pressure	INHG

Emissions		
Label	Description	Unit
PM 1		%
DPFDIS	Avg Distance Between DPF Regen	MILES
DPF RG	DPF Regen Trigger	%
EGRACT	EGR Duty Cycle Actual	%
EGRCMD	EGR Duty Cycle Commanded	%
EGRERR	EGR Error	%
BPS M	Monitor - Boost Pressure System	
COMP M	Monitor - Comprehensive Component	
EGR M	Monitor - EGR and/or VVT System	
EGAS M	Monitor - Exhaust Gas Sensor	
FUEL M	Monitor - Fuel System	
MIS M	Monitor - Misfire	
NCAT M	Monitor - NOx/SCR Aftertreatment	
PMF M	Monitor - PM Filter	
NOX1/1	NOX Bank 1 Sensor 1	PPM
NOX1/2	NOX Bank 1 Sensor 2	PPM

Pressure		
Label	Description	Unit
	Ambient Air Pressure	PSIA
AAP	Ambient Air Pressure (inHg)	INHG
BOOST	Boost Pressure	PSIG
BST-VA	Boost/Vacuum Pressure	PSIG
DPFDP1	DPF Delta Press	PSIA
EXH P1	Exhaust Pressure Bank 1	PSIA
FRPCMD	FRP Commanded	PSIA
FRP	Fuel Rail Pressure	PSIA
MAP	Manifold Air Pressure (inHg)	INHG
MAP A	Manifold Pressure A	PSIA
MAPCMD	MAP Commanded	PSIA
P-RAT	Pressure Ratio - System	%

Engine Performance - Air		
Label	Description	Unit
ABSTPS	Absolute Throttle Position	%
HPC-1K	Ambient Custom Fuel Power Potential per 1000 CFM	HP/1k
HPD-1K	Ambient Diesel Power Potential per 1000 CFM	HP/1k
HPE-1K	Ambient E85 Power Potential per 1000 CFM	HP/1k
HPG-1K	Ambient Gas Power Potential per 1000 CFM	HP/1k
HPM-1K	Ambient Methanol Power Potential per 1000 CFM	HP/1k
CFM-EN	CFM Engine	
CFM-IND	CFM Inducted	
MAF	Mass Air Flow	GRAM/S
THRCMD	Throttle Commanded	%
THRT-R	Throttle Position Relative	%
VT CMD	Turbo Vane Command	%
VT POS	Turbo Vane Position	%

Engine Performance - Fuel		
Label	Description	Unit
FUEL R	Fuel Flow Rate	GPH
TM ADV	Injection Timing Advance	°BTDC
O2S1/1	O2 Sensor Concentration Bank1 Sensor1	%
O2S1/2	O2 Sensor Concentration Bank1 Sensor2	%
LAMB1/1	O2 Sensor Lambda Bank1 Sensor1	LAMBDA
LAMB1/2	O2 Sensor Lambda Bank1 Sensor2	LAMBDA

Temperature		
Label	Description	Unit
AAT	Ambient Air Temp	°F
AAT	Ambient Air Temp Absolute (in Rankin)	R
CAC1/1	CAC Temp Bank 1 Sensor 1	°F
ECT	Coolant Temp 1	°F
SYS-DT	Delta Temperature System	
THR-DT	Delta Temperature Throttle	°F
EGR1/2	EGR Temp Bank1 Sensor 2	°F
ECT	Engine Coolant Temp	°F
EGT1/1	Exh Temp Bank 1 Sensor 1	°F
EGT1/2	Exh Temp Bank 1 Sensor 2	°F
EGT1/3	Exh Temp Bank 1 Sensor 3	°F
IAT	Intake Air Temp	°F
MAT	Manifold Air Temp	°F

Vehicle Performance		
Label	Description	Unit
	Accelerator Pedal D	%
APP E	Accelerator Pedal E	%
LOAD	Calculated Engine Load	%
DISP	Engine Displacement	L
HP-MAX	Horsepower Maximum	HP
HP-POT	Horsepower Potential	HP
TORQUE	Torque % Actual	%
TORCMD	Torque % Commanded	%

Diagnostics		
Label	Description	Unit
MILDIS	Dist Traveled While MIL Active	MILES
DTCTRV	Distance Since DTCS Cleared	MILES
RUN TM	Engine Run Time	MIN
FLAG	Flag	
MIL	MIL Status	
TIME	Time Data Log	S
ENGRUN	Total Engine Run Time	HR
WARMUP	Warmups Since DTCS Cleared	COUNT

Voltage		
Label	Description	Unit
BATT*	B-Bus Battery Voltage	V
BATT	ECU Battery Voltage	V

Speed and Velocity		
Label	Description	Unit
RPM	Engine RPM	
SPEED	Vehicle Speed	MPH