

iDash Parameter List - 2019 Hyundai Santa Fe 3.3L

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

Engine Performance - Air		
Label	Description	Unit
TPS B	Absolute Throttle Pos B	%
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	
THRCMD	Throttle Commanded	%
THRT-R	Throttle Position Relative	%

Vehicle Performance		
Label	Description	Unit
	Absolute Engine Load	%
APP D	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
IGN TM	Ignition Timing Advance	°BTDC

Emissions		
Label	Description	Unit
EVAPCM	Evap Purge Commanded	%
CAT M	Monitor - Catalyst	
COMP M	Monitor - Comprehensive Component	
EGR M	Monitor - EGR and/or VVT System	
EVAP M	Monitor - Evaporative System	
FUEL M	Monitor - Fuel System	
MIS M	Monitor - Misfire	
O2S M	Monitor - Oxygen Sensor	
HTR M	Monitor - Oxygen Sensor Heat	

Engine Performance - Fuel		
Label	Description	Unit
%	Air Fuel Ratio Commanded	AFR
%	Fuel Closed Loop Status	
HP/1k	Fuel Tank Level	%
HP/1k	Long Term Fuel Trim Bank 1	%
HP/1k	Long Term Fuel Trim Bank 2	%
HP/1k	Short Term Fuel Trim Bank 1	%
HP/1k	Short Term Fuel Trim Bank 2	%
	Total Fuel Trim Bank 1	%
%	Total Fuel Trim Bank 2	%

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
WARMUP	Warmups Since DTCS Cleared	COUNT

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

Pressure		
Label	Description	Unit
AAP	Ambient Air Pressure	PSIA
AAP	Ambient Air Pressure (inHg)	INHG
BOOST	Boost Pressure	PSIG
BST-VA	Boost/Vacuum Pressure	PSIG
EVAP P	Evap Sys Vapor Pressure	PA
FRP	Fuel Rail Pressure	PSIA
MAP	Manifold Absolute Pressure	PSIA
MAP	Manifold Air Pressure (inHg)	INHG
P-RAT	Pressure Ratio - System	%
MAP A	Manifold Pressure A	PSIA
MAPCMD	MAP Commanded	PSIA
P-RAT	Pressure Ratio - System	%

Temperature		
Label	Description	Unit
AAT	Ambient Air Temp	°F
AAT	Ambient Air Temp Absolute (in Rankin)	R
CAT1/1	Catalyst Temp Bank 1 Sensor 1	°F
CAT2/1	Catalyst Temp Bank 2 Sensor 1	°F
SYS-DT	Delta Temperature System	
THR-DT	Delta Temperature Throttle	°F
ECT	Engine Coolant Temp	°F
IAT	Intake Air Temp	°F
MAT	Manifold Air Temp	°F

Voltage		
Label	Description	Unit
	B-Bus Battery Voltage	V
BATT	ECU Battery Voltage	V
O2 1/1	O2 Bank 1 Sensor 1 Volt	V
O2 1/2	O2 Bank 1 Sensor 2 Volt	V
O2 2/1	O2 Bank 2 Sensor 1 Volt	V
O2 2/2	O2 Bank 2 Sensor 2 Volt	V