



Fuel Injector Characterization Summary

DW PN: 21S-XX-0650-XX

Pulsed Flow Data (3bar, 13.5v)				Linearity
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	
1.0	Below limits of detection			NON LINEAR RANGE
1.1	0.0019	1.435	-67.27%	
1.2	0.0029	2.184	-58.26%	
1.3	0.0038	2.808	-53.81%	
1.4	0.0063	4.681	-32.44%	
1.5	0.0083	6.178	-20.54%	
1.6	0.0099	7.427	-13.88%	
1.7	0.0113	8.425	-11.04%	
1.8	0.0123	9.236	-10.49%	
1.9	0.0136	10.173	-8.90%	
2.0	0.0149	11.171	-7.01%	LINEAR RANGE
2.1	0.0160	11.982	-6.83%	
2.2	0.0174	13.043	-4.85%	
2.3	0.0184	13.792	-5.25%	
2.4	0.0197	14.728	-4.39%	
2.5	0.0211	15.789	-2.84%	
2.6	0.0222	16.601	-2.91%	
2.7	0.0234	17.537	-2.28%	
2.8	0.0247	18.473	-1.71%	
2.9	0.0257	19.222	-2.14%	
3.0	0.0269	20.158	-1.62%	
3.1	0.0283	21.219	-0.55%	
3.2	0.0294	22.030	-0.70%	
3.3	0.0308	23.091	0.26%	
3.4	0.0318	23.840	-0.17%	
3.5	0.0329	24.651	-0.31%	
3.6	0.0343	25.650	0.29%	
3.7	0.0354	26.524	0.38%	
3.8	0.0366	27.397	0.47%	
3.9	0.0378	28.333	0.77%	
4.0	0.0390	29.207	0.84%	
5.0	0.0503	37.632	0.51%	
6.0	0.0613	45.870	-0.10%	
7.0	0.0721	53.983	-0.75%	
8.0	0.0842	63.032	0.26%	

SLOPE (cc/min) 673

NOTES

All mass values (gravimetric) are calculated for pump gas using SG of 0.749
 Application specific calibration summaries are also available (visit website or inquire with tech support)
 Data on calibration summaries may vary slightly from data on this sheet due to in-car optimization
 rev 4/16/18

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	568	54.1	7.09
3	300	43.5	688	65.5	8.58
4	400	58.0	774	73.7	9.66
5	500	72.5	861	82.0	10.75

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.533	1.065	0.687	0.400	0.203
3bar	1.588	1.112	0.725	0.427	0.218
4bar	1.717	1.185	0.763	0.451	0.248
5bar	2.018	1.376	0.876	0.518	0.301

