



Fuel Injector Characterization Summary

DW PN: 21S-XX-0565-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	0.0034	2.559	-32.84%	
1.2	0.0045	3.339	-26.37%	
1.3	0.0057	4.244	-19.31%	
1.4	0.0070	5.274	-11.87%	
1.5	0.0081	6.054	-9.76%	
1.6	0.0092	6.896	-7.22%	
1.7	0.0101	7.583	-7.05%	
1.8	0.0111	8.300	-6.55%	
1.9	0.0121	9.049	-5.80%	
2.0	0.0130	9.767	-5.46%	LINEAR RANGE
2.1	0.0139	10.422	-5.73%	
2.2	0.0150	11.202	-4.91%	
2.3	0.0160	12.014	-3.93%	
2.4	0.0170	12.763	-3.53%	
2.5	0.0180	13.480	-3.39%	
2.6	0.0190	14.260	-2.85%	
2.7	0.0200	14.978	-2.76%	
2.8	0.0212	15.852	-1.71%	
2.9	0.0222	16.601	-1.49%	
3.0	0.0232	17.350	-1.29%	
3.1	0.0243	18.161	-0.77%	
3.2	0.0253	18.941	-0.45%	
3.3	0.0264	19.752	0.01%	
3.4	0.0274	20.501	0.13%	
3.5	0.0284	21.250	0.24%	
3.6	0.0293	21.968	0.20%	
3.7	0.0304	22.748	0.44%	
3.8	0.0313	23.466	0.40%	
3.9	0.0323	24.214	0.49%	
4.0	0.0333	24.901	0.32%	
5.0	0.0430	32.171	0.32%	
6.0	0.0525	39.348	0.09%	
7.0	0.0618	46.245	-0.67%	
8.0	0.0720	53.921	0.22%	

SLOPE (cc/min) 578

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 4/18/2018

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	496	47.3	6.19
3	300	43.5	602	57.3	7.51
4	400	58.0	698	66.5	8.71
5	500	72.5	785	74.7	9.79

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.574	1.060	0.661	0.377	0.208
3bar	1.653	1.109	0.695	0.411	0.258
4bar	1.725	1.185	0.766	0.469	0.294
5bar	2.087	1.481	1.003	0.654	0.434

