



Fuel Injector Characterization Summary

DW PN: 21S-XX-0850-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	0.0028	2.122	-34.53%	
1.2	0.0054	4.057	-7.05%	
1.3	0.0068	5.117	-6.75%	
1.4	0.0087	6.522	-1.36%	
1.5	0.0104	7.801	0.85%	
1.6	0.0118	8.800	-0.67%	
1.7	0.0132	9.861	-1.22%	
1.8	0.0145	10.859	-2.22%	LINEAR RANGE
1.9	0.0160	11.951	-2.27%	
2.0	0.0174	13.012	-2.55%	
2.1	0.0188	14.042	-3.00%	
2.2	0.0204	15.259	-2.19%	
2.3	0.0219	16.382	-2.04%	
2.4	0.0234	17.537	-1.74%	
2.5	0.0248	18.598	-1.97%	
2.6	0.0263	19.721	-1.86%	
2.7	0.0279	20.907	-1.47%	
2.8	0.0295	22.093	-1.11%	
2.9	0.0310	23.216	-1.06%	
3.0	0.0325	24.308	-1.14%	
3.1	0.0343	25.650	-0.24%	
3.2	0.0357	26.742	-0.35%	
3.3	0.0374	28.021	0.22%	
3.4	0.0389	29.113	0.11%	
3.5	0.0404	30.268	0.21%	
3.6	0.0420	31.423	0.30%	
3.7	0.0435	32.608	0.48%	
3.8	0.0451	33.794	0.65%	
3.9	0.0466	34.917	0.63%	
4.0	0.0480	35.947	0.34%	
5.0	0.0625	46.837	-0.47%	
6.0	0.0771	57.759	-0.92%	
7.0	0.0926	69.336	-0.28%	
8.0	0.1084	81.193	0.53%	

SLOPE (cc/min) 896

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	747	71.1	9.32
3	300	43.5	910	86.7	11.36
4	400	58.0	1060	100.9	13.22
5	500	72.5	1205	114.8	15.04

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.720	1.325	0.987	0.708	0.485
3bar	1.857	1.391	1.013	0.722	0.518
4bar	2.238	1.666	1.208	0.864	0.635
5bar	2.698	1.940	1.352	0.932	0.680

