



Fuel Injector Characterization Summary

DW PN: 21S-XX-0600-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	0.0022	1.623	-59.23%	
1.2	0.0026	1.935	-59.35%	
1.3	0.0036	2.684	-51.54%	
1.4	0.0063	4.681	-25.91%	
1.5	0.0078	5.866	-17.33%	
1.6	0.0093	6.927	-12.04%	
1.7	0.0104	7.801	-9.86%	
1.8	0.0115	8.612	-8.71%	
1.9	0.0126	9.424	-7.73%	
2.0	0.0138	10.297	-6.32%	LINEAR RANGE
2.1	0.0149	11.171	-5.10%	
2.2	0.0160	11.982	-4.52%	
2.3	0.0170	12.731	-4.49%	
2.4	0.0181	13.543	-4.01%	
2.5	0.0192	14.354	-3.58%	
2.6	0.0204	15.290	-2.40%	
2.7	0.0215	16.101	-2.09%	
2.8	0.0226	16.913	-1.81%	
2.9	0.0236	17.662	-1.90%	
3.0	0.0246	18.410	-1.98%	
3.1	0.0259	19.409	-0.78%	
3.2	0.0270	20.220	-0.59%	
3.3	0.0282	21.094	-0.13%	
3.4	0.0292	21.843	-0.26%	
3.5	0.0302	22.592	-0.38%	
3.6	0.0313	23.466	0.03%	
3.7	0.0326	24.402	0.68%	
3.8	0.0337	25.213	0.79%	
3.9	0.0348	26.024	0.89%	
4.0	0.0357	26.711	0.51%	
5.0	0.0463	34.637	0.79%	
6.0	0.0566	42.375	0.52%	
7.0	0.0663	49.615	-0.67%	
8.0	0.0770	57.665	-0.13%	

SLOPE (cc/min)

616

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	519	49.4	6.48
3	300	43.5	632	60.2	7.89
4	400	58.0	720	68.5	8.98
5	500	72.5	808	77.0	10.09

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

