

1 Apple juice (g) = 0.222g Ambient temp 28C

Run #			1	2	3	4	5	6			
	# Apple juice	Weight (kg)	Voltage (V)						Avg. (used for calc)	Std dev	Repeatability error
	0	0	0.2725	0.273	0.273	0.2727	0.2722	0.2723	0.2726	0.00031	0.0617
	1	0.222	0.3745	0.3754	0.3746	0.3749	0.3738	0.375	0.3747	0.00050	0.0136
	2	0.444	0.4768	0.4789	0.4778	0.4776	0.477	0.4772	0.4776	0.00069	0.0422
	3	0.666	0.5791	0.58	0.5798	0.58	0.579	0.58	0.5797	0.00043	-0.0042
	4	0.888	0.682	0.6834	0.6828	0.6826	0.682	0.6827	0.6826	0.00048	0.0327
	5	1.11	0.7849	0.785	0.7845	0.7845	0.7847	0.7844	0.7847	0.00022	-0.0153
	4	0.888	0.682	0.683	0.6821	0.6823	0.6815	0.682	0.6822	0.00045	-0.0106
	3	0.666	0.5794	0.5797	0.5793	0.58	0.579	0.5799	0.5796	0.00035	-0.0142
	2	0.444	0.4773	0.4772	0.4773	0.4773	0.4769	0.4771	0.4772	0.00015	0.0055
	1	0.222	0.3744	0.3742	0.3744	0.3744	0.3743	0.375	0.3745	0.00026	-0.0114
	0	0	0.272	0.2729	0.2725	0.2725	0.2726	0.2723	0.2725	0.00027	0.0467

Sensor Data Sheet	
Uncertainty/error	Value
Sensitivity (V/kg)	0.462
Offset (V)	0.272
Offset (kg)	0.589
non-linearity (1 kg +/- %FSO)	0.095
hysteresis (1 kg +/- %FSO)	0.060
Repeatability (1 kg +/- %FSO)	0.013
Total Uncertainty (1 kg +/- %FSO)	0.804

