

**TABLE 1: PWM RESOLUTION IN RELATION TO PWM FREQUENCY**

	Processor clock frequency					
PWM	100			150		
(kHz)	Bits	%	Instructions	Bits	%	Instructions
20	12.3	0.02	5000	12.9	0.01	7500
60	10.7	0.06	1667	11.3	0.04	2500
120	9.7	0.12	833	10.3	0.08	1250
250	8.6	0.25	400	9.2	0.17	600
300	8.4	0.30	333	9.0	0.20	500
500	7.6	0.50	200	8.2	0.33	300
750	7.1	0.75	133	7.6	0.50	200
1000	6.6	1.00	100	7.2	0.67	150
2000	5.6	2.00	50	6.2	1.33	75
4000	4.6	4.00	25	5.2	2.67	38