



RESEARCH METHOD GUIDE TABLE



Digital Counter Readings VS. Octane Number at Standard Knock Intensity at 29.92 " Hg Barometer Pressure For 9/16" Venturi.

DC Units	0	1	2	3	4	5	6	7	8	9	DC Units	0	1	2	3	4	5	6	7	8	9	DC Units	
Research Octane Number											Research Octane Number												
450	58.8	59.0	59.1	59.3	59.5	59.6	59.8	60.0	60.1	60.3	450	850	97.2	97.3	97.3	97.4	97.4	97.4	97.5	97.6	97.6	97.6	850
460	60.4	60.6	60.8	61.0	61.1	61.2	61.4	61.6	61.7	61.8	460	860	97.7	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.1	860
470	62.0	62.2	62.4	62.5	62.6	62.8	63.0	63.1	63.3	63.6	470	870	98.1	98.1	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.5	870
480	63.7	63.8	64.0	64.1	64.2	64.4	64.6	64.8	65.0	65.1	480	880	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	880
490	65.2	65.4	65.6	65.7	65.8	66.0	66.1	66.2	66.4	66.5	490	890	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.2	890
500	66.6	66.8	67.0	67.2	67.3	67.4	67.5	67.6	67.8	68.0	500	900	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	900
510	68.2	68.3	68.4	68.6	68.7	68.8	69.0	69.2	69.3	69.4	510	910	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	910
520	69.6	69.8	69.9	70.0	70.1	70.2	70.4	70.6	70.8	70.9	520	920	100.0	100.0	100.1	100.1	100.1	100.2	100.2	100.3	100.3	100.3	920
530	71.0	71.1	71.2	71.4	71.6	71.8	71.9	72.0	72.1	72.2	530	930	100.4	100.4	100.4	100.4	100.4	100.5	100.5	100.6	100.6	100.6	930
540	72.4	72.6	72.7	72.8	72.9	73.0	73.2	73.3	73.4	73.6	540	940	100.7	100.7	100.8	100.8	100.8	100.8	100.9	100.9	100.9	100.9	940
550	73.7	73.8	73.9	74.0	74.2	74.3	74.4	74.5	74.6	74.7	550	950	101.0	101.0	101.1	101.1	101.1	101.2	101.2	101.2	101.2	101.3	950
560	74.8	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.8	75.9	560	960	101.3	101.3	101.4	101.4	101.4	101.4	101.5	101.5	101.6	101.6	960
570	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	570	970	101.6	101.6	101.7	101.7	101.7	101.8	101.8	101.8	101.8	101.9	970
580	77.0	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	580	980	101.9	101.9	102.0	102.0	102.0	102.1	102.1	102.2	102.2	102.3	980
590	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	590	990	102.3	102.3	102.4	102.4	102.4	102.4	102.5	102.5	102.5	102.6	990
600	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	600	1000	102.6	102.6	102.7	102.7	102.8	102.8	102.9	102.9	102.9	102.9	1000
610	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	610	1010	103.0	103.0	103.0	103.1	103.1	103.1	103.2	103.2	103.2	103.3	1010
620	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	620	1020	103.3	103.4	103.4	103.4	103.5	103.5	103.5	103.6	103.6	103.6	1020
630	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.8	82.9	630	1030	103.7	103.7	103.7	103.8	103.8	103.8	103.9	103.9	104.0	104.0	1030
640	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	640	1040	104.0	104.1	104.1	104.2	104.2	104.3	104.3	104.4	104.4	104.4	1040
650	84.0	84.1	84.2	84.3	84.4	84.4	84.5	84.6	84.7	84.8	650	1050	104.5	104.6	104.6	104.6	104.7	104.7	104.8	104.8	104.8	104.9	1050
660	84.9	85.0	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.6	660	1060	104.9	105.0	105.0	105.1	105.2	105.2	105.3	105.3	105.4	105.4	1060
670	85.7	85.8	85.9	86.0	86.1	86.2	86.2	86.3	86.4	86.4	670	1070	105.4	105.4	105.5	105.5	105.6	105.6	105.7	105.7	105.8	105.8	1070
680	86.5	86.6	86.7	86.8	86.9	87.0	87.0	87.1	87.2	87.3	680	1080	105.9	106.0	106.0	106.1	106.1	106.2	106.2	106.3	106.3	106.4	1080
690	87.4	87.4	87.5	87.6	87.6	87.7	87.8	87.8	87.9	88.0	690	1090	106.4	106.5	106.6	106.6	106.7	106.7	106.8	106.8	106.9	107.0	1090
700	88.1	88.2	88.3	88.4	88.4	88.5	88.6	88.6	88.7	88.8	700	1100	107.0	107.1	107.2	107.2	107.3	107.4	107.4	107.5	107.5	107.6	1100
710	88.8	88.9	89.0	89.1	89.2	89.2	89.3	89.4	89.4	89.5	710	1110	107.6	107.7	107.8	107.8	107.9	108.0	108.0	108.1	108.2	108.2	1110
720	89.6	89.6	89.7	89.8	89.8	89.9	90.0	90.0	90.1	90.2	720	1120	108.3	108.4	108.5	108.6	108.6	108.7	108.7	108.8	108.9	108.9	1120
730	90.3	90.4	90.4	90.5	90.6	90.6	90.7	90.8	90.8	90.9	730	1130	109.0	109.0	109.1	109.2	109.2	109.3	109.4	109.4	109.5	109.6	1130
740	91.0	91.0	91.1	91.2	91.3	91.4	91.4	91.5	91.6	91.6	740	1140	109.6	109.7	109.8	109.9	110.0	110.0	110.1	110.2	110.2	110.4	1140
750	91.7	91.8	91.8	91.9	91.9	92.0	92.0	92.1	92.2	92.2	750	1150	110.4	110.5	110.6	110.7	110.8	110.8	110.9	111.0	111.0	111.1	1150
760	92.3	92.4	92.4	92.5	92.6	92.6	92.7	92.8	92.9	93.0	760	1160	111.2	111.2	111.3	111.4	111.4	111.5	111.6	111.7	111.8	111.9	1160
770	93.0	93.0	93.1	93.2	93.2	93.2	93.3	93.4	93.4	93.4	770	1170	112.0	112.0	112.1	112.2	112.2	112.3	112.4	112.5	112.6	112.6	1170
780	93.5	93.6	93.6	93.7	93.8	93.9	94.0	94.0	94.0	94.1	780	1180	112.7	112.8	112.8	112.9	113.0	113.0	113.2	113.3	113.4	113.4	1180
790	94.2	94.2	94.2	94.3	94.4	94.4	94.4	94.5	94.6	94.6	790	1190	113.5	113.6	113.6	113.7	113.8	113.8	113.9	114.0	114.1	114.2	1190
800	94.6	94.7	94.8	94.8	94.9	95.0	95.0	95.1	95.2	95.2	800	1200	114.3	114.4	114.4	114.5	114.6	114.6	114.7	114.8	114.9	115.0	1200
810	95.2	95.3	95.4	95.4	95.5	95.6	95.6	95.6	95.7	95.8	810	1210	115.1	115.2	115.2	115.3	115.4	115.5	115.6	115.6	115.6	115.6	1210
820	95.8	95.8	95.9	96.0	96.0	96.0	96.1	96.2	96.2	96.2	820	1220	115.7	115.8	115.9	116.0	116.0	116.1	116.2	116.2	116.3	116.4	1220
830	96.3	96.4	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.7	830	1230	116.4	116.4	116.5	116.6	116.6	116.7	116.8	116.8	116.9	117.0	1230
840	96.8	96.8	96.9	96.9	97.0	97.0	97.0	97.1	97.2	97.2	840	1240	117.0	117.1	117.2	117.2	117.3	117.4	117.5	117.5	117.6	117.6	1240