

K Bike Speedometer Calibration

Note: The speed sensor emits 6 pulses per rotation.

Rear Wheel
Rim Size
Tire Size
Width (mm)
Aspect Ratio(%)
Wheel Diameter (in)

	Y-spoke Drum 2.75x18				Y-spoke Disc 2.75x17				Narrow 3-spoke 3.0x17 with offsize				Narrow 3-spoke 3.0x17				Wide 3-spoke 4.5x18			
	120				130				150				140				160			
	90				90				70				80				60			
	18				17				17				17				18			
	in		mm		in		mm		in		mm		in		mm		in		mm	
Diameter	26.50	673	26.21	666	25.27	642	25.27	642	25.82	656	25.82	656	25.56	649	25.56	649	80.30	2040	80.30	2040
Circumference	83.26	2115	82.35	2092	79.38	2016	79.38	2016	81.11	2060	81.11	2060	80.30	2040	80.30	2040				
Pulses per Mile/km	PPM: 4566	PPK: 2837	PPM: 4616	PPK: 2869	PPM: 4789	PPK: 2976	PPM: 4789	PPK: 2976	PPM: 4687	PPK: 2912	PPM: 4687	PPK: 2912	PPM: 4734	PPK: 2942	PPM: 4734	PPK: 2942				
	MPH	Hz	kph	Hz	MPH	Hz	kph	Hz	MPH	Hz	kph	Hz	MPH	Hz	kph	Hz	MPH	Hz	kph	Hz
	10	12.7	20	15.8	10	12.8	20	15.9	10	13.3	20	16.5	10	13.0	20	16.2	10	13.2	20	16.3
	20	25.4	40	31.5	20	25.6	40	31.9	20	26.6	40	33.1	20	26.0	40	32.4	20	26.3	40	32.7
	30	38.0	60	47.3	30	38.5	60	47.8	30	39.9	60	49.6	30	39.1	60	48.5	30	39.5	60	49.0
	39.4	50	63.4	50	39.0	50	62.8	50	37.6	50	60.5	50	38.4	50	61.8	50	38.0	50	61.2	50
	40	50.7	76.1	60	40	51.3	75.3	60	40	53.2	72.6	60	40	52.1	74.2	60	40	52.6	73.4	60
	47.3	60	80	63.0	46.8	60	80	63.7	45.1	60	80	66.1	46.1	60	80	64.7	45.6	60	80	65.4
	50	63.4	100	78.8	50	64.1	100	79.7	50	66.5	100	82.7	50	65.1	100	80.9	50	65.8	100	81.7
	60	76.1	120	94.6	60	76.9	120	95.6	60	79.8	120	99.2	60	78.1	120	97.1	60	78.9	120	98.1
	70	88.8	140	110.3	70	89.8	140	111.6	70	93.1	140	115.7	70	91.1	140	113.3	70	92.1	140	114.4
	80	101.5	160	126.1	80	102.6	160	127.5	80	106.4	160	132.3	80	104.2	160	129.4	80	105.2	160	130.7
	90	114.1	180	141.8	90	115.4	180	143.4	90	119.7	180	148.8	90	117.2	180	145.6	90	118.4	180	147.1
	100	126.8	200	157.6	100	128.2	200	159.4	100	133.0	200	165.3	100	130.2	200	161.8	100	131.5	200	163.4
	110	139.5	220	173.4	110	141.1	220	175.3	110	146.3	220	181.9	110	143.2	220	178.0	110	144.7	220	179.8
	120	152.2	240	189.1	120	153.9	240	191.2	120	159.6	240	198.4	120	156.2	240	194.2	120	157.8	240	196.1