

Datamarine S100KL Transducer Calibration

Cup Radius	0.76 inches	Pulses/sec	Pulses/(10 sec)	Pulses/min	Knots
Cup Diameter	1.51 inches	1.0	10.0	60	0.0
Cup Circumference	4.75 inches	2.0	20.0	120	0.3
Cup Circumference	0.40 feet	3.0	30.0	180	0.5
Pulses/Revolution	6	4.0	40.0	240	0.7
		5.0	50.0	300	1.0
		6.0	60.0	360	1.2
Boat Offset for Calibration	-0.2 knots	7.0	70.0	420	1.4
		8.0	80.0	480	1.7
		9.0	90.0	540	1.9
		10.0	100.0	600	2.1
		11.0	110.0	660	2.4
		12.0	120.0	720	2.6
		13.0	130.0	780	2.8
		14.0	140.0	840	3.1
		15.0	150.0	900	3.3
		16.0	160.0	960	3.6
		17.0	170.0	1020	3.8
		18.0	180.0	1080	4.0
		19.0	190.0	1140	4.3
		20.0	200.0	1200	4.5
		21.0	210.0	1260	4.7
		22.0	220.0	1320	5.0
		23.0	230.0	1380	5.2
		24.0	240.0	1440	5.4
		25.0	250.0	1500	5.7
		26.0	260.0	1560	5.9
		27.0	270.0	1620	6.1
		28.0	280.0	1680	6.4
		29.0	290.0	1740	6.6
		30.0	300.0	1800	6.8
		31.0	310.0	1860	7.1
		32.0	320.0	1920	7.3
		33.0	330.0	1980	7.5
		34.0	340.0	2040	7.8
		35.0	350.0	2100	8.0
		36.0	360.0	2160	8.2