

**SMARTPAK**


MODULE	FUNCTION/FEATURES	RANGE	UNITS
<b>BASE</b>	• Boatspeed variable averaging trend indicator	0-50 knots 0-10 knots 10.1-50 knots	Knots, mph, kph 1/100th of a knot 1/10 of a knot
	• Log	0-9999 n.m.	1/100th n.m.
	• Trip Log resettable	0-9999 n.m.	1/100th n.m.
	• Depthsounder keel offset surface offset	3-350 feet	feet, fathoms, meters 1/10 increments
	• Sea temperature	32.0-99.9° F.	1/10°, F. or C.
	• Time  Racing Start Timer	24 hour clock 0-100 hours 0-60 minutes	hours: minutes hours: minutes minutes: seconds
<b>WIND</b>	• Wind direction True wind angle Apparent wind angle	0-180° p & s	1° increments
	• Windspeed	1.0-99.9 knot	
	• Velocity made good (VMG)	speed x cosine of TWA	1/10 knots, mph, kph
<b>NAVIGATION</b>	• NMEA 0183 input displays Satnav/Loran/GPS		
	• NMEA 0183 output sends: apparent wind angle, speed or heading to A/P, Satnav,		
	• RS 232 input/output interface to computers		
	• Battery voltage	1/10 volt dc	Volts D.C.
<b>PERFORMANCE</b>	• Heading offset adjustments deviation adjustments	0-359°	1° increments
	• Heel	4.5°	
	• True wind direction	0-359°	1° increments
	• Dead reckoning distance		nm., miles, km.
<b>DISPLAY</b>	• 128 X 64 dot matrix • Super Twist LCD • Back lit	0-50° C. operation	

**TRADITIONALS**

**SL172**

**SL267A**

**SL254**

**SL11**

<b>SL 172</b>	• Depth keel offset backlit	3-200 feet 0-7'	feet, meters 1/10 increments
<b>SL 267A</b>	• Boatspeed backlit variable averaging trend indicator	0-99 knots 0-19.99 Kts. 20.0-99.9Kts	knots 1/100 Kt. increments 1/10 Kt. increments
	• LOG (front resettable)	0.9999 nm. 0-19.99 nm.. 20.0-199.9	nautical miles 1/100 n.m. increments 1/10 nm. increments
<b>SL 254</b>	• Wind direction (analog)	0-180° p & s	1 Kt. increments
	• Windspeed (digital) backlit	1.0-99 knots	1 Kt. increments
<b>SL 11</b>	• Knot meter (backlit)	0-8 or 0-12 Kts.	knots



ACCURACY	ALARMS	TRANSDUCERS/SENSORS	CABLE	POWER
± 1 % after calibration		• Free-flow paddlewheel transducer	35' cable	360 mA @12 V.D.C.
± 1 % after calibration ± 1% after calibration				
± 0.1' to 10' depth	high/low	• Mushroom style, 200 khz., 18° beam	35' non-extendable	
± 2°				
± 5° analog		• Hydraulically dampened windpoint/windspeed transducer	80' mast cable with water-tight connectors	100 mA @12 V.D.C.
			1' Loran/Satnav GPS cable 2' Bus cable	100 mA @12 V.D.C.
± 0.2 volts	low voltage/high voltage		1' RS232 interface	
± 2°		• Digital fluxgate compass	35' cable 1' Y' cable	100 mA @12 V.D.C.
± 1°		• Heel sensor	35' cable	
			10' cable	180 mA 12 V.D.C.
± 0.1' to 10' depth	forward trending low: 1: 3' to 20' 5: 20' to 180'	• Mushroom style, 200 khz., 18° beam	35' non-extendable cable	250 mA @12 V.D.C.
± 1% after calibration		• Free-flow paddlewheel transducer	cable	200 mA @12 V.D.C.
± 1% after calibration				
± 5%		• Hydraulically dampened windpoint/windspeed transducer	80' mast cable with water-tight connectors	270 mA @12 V.D.C.
± 1 knot				
± 2% of full scale		• Free-flow paddlewheel transducer	35' cable	100 mA @12 V.D.C. (lighting)