



SWALE OCEANOGRAPHIC

DOPPLER VELOCITY LOGS – NAVQUEST 300, 600 & 600 micro

For precise navigation and positioning of underwater vehicles

NavQuest is a line of Doppler Velocity Logs manufactured by LinkQuest Inc., a company renowned for its innovation, capability and product quality. With their capability for fast and accurate velocity output, significantly longer range and smaller minimum altitude compared against similar products, the NavQuest 300 and 600 Doppler Velocity Logs are the excellent choices for underwater precision navigation and positioning applications

- 300 or 600 kHz operating frequency
- Highly accurate and robust
- User Friendly and Cost Competitive
- Innovative acoustic doppler technology
- Low power consumption DSP technology
- Standard Depth 800 metres (1500, 3000 or 6000m options)
- RS-232 or RS-422 serial comms (ASCII or binary output)
- Greater Range / Altitude than comparable products
- Industry leading Minimum Altitude allows navigation close to bottom
- Seamless integration with TrackLink USBL & PinPoint LBL positioning systems
- 4 Beam Convex with 22° beam angle in anodised aluminium & plastic housing.
- Options: Compass, Pitch & Roll and Temperature sensors. Current profiling. OEM system



		NavQuest 300	NavQuest 600	NavQuest 600 Micro
Velocity pecs	Frequency	300 kHz	600 kHz	600 kHz
	Accuracy (option P)	1% (0.4%) ± 2mm/s	1% (0.2%) ± 1mm/s	1% (0.2%) ± 1mm/s
	Min / Max Altitude	0.6 – 300m	0.3 – 140m	0.3 – 110m
	Max Velocity	± 20knots	± 20knots	± 20knots
	Standard Depth (optional)	800m (1500, 3000 6000m)	800m (1500, 3000 6000m)	800m (1500, 3000 6000m)
	Max Ping Rate	3 / second	5 / second	5 / second
Power	Maximum Transmit (low power mode)	200 watts (55 watts)	100 watts (28 watts)	80 watts
	Receiver	1 watt	1 watt	1.2 watts
	Ave Power Consumption	3-10 watts	2-6 watts	2-5 watts
	Input Voltage	24 ± 2Vdc	24 ± 2Vdc	24 ± 2Vdc
Dims	Transducer assy diameter	200 mm	200 mm	126 mm
	Housing diameter	172 mm	172 mm	126 mm
	Overall Length	202 mm	202 mm	170 mm
	Weight in Air / Water	9.2kg / 4.2kg	9.2kg / 4.2kg	2.9 kg / 1.2 kg

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