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WMB-3230 / WMB-5230 / WMB-3250 Specifications

	WMB-3230	WMB-5230	WMB-3250
General			
Frequency	160 kHz	80 kHz	160 kHz
Specified Depth Capability	2m - 200m +	10m - 500m +	2m - 200m +
Maximum Range Scale	400m	800m	300m
Output Power	40 W to 1 kW	150 W to 1.2 kW	40 W to 1 kW
Effective Beam Width (arcthwships x fore-aft)	120° x 4°		
Beam Spacing	Equi-Angular 120° @ 1.07° beams		
Electronic Beam Width	112 beams x 1.07° over 120°		224 beams x 0.54° over 120°
Max Ping Rate (Pings Per Second)	16 (@ 10m range)	16 (@ 10m range)	48 (@ 10m range)
Maximum Resolution (height of smallest target detectable at nadir)	7.5cm	15cm	7.5cm
CW Pulse Duration (ms)	0.1, 0.2, 0.5, 1.0, 2.0	0.2, 0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0	0.1, 0.2, 0.5, 1.0, 2.0
Advance speed	Slow – fast (5 speeds).		
Beamforming	Digital		
Roll Correction (Accuracy based on sensor used)	Yes		
Pitch Correction	Partial - depth correction only		Yes
Heave Correction	Partial - depth correction only		Yes
Ships Reference Corrections	Partial - depth correction only		Yes
Sound Speed Correction	Surface only		
Bottom Detections	Amplitude & Phase		
GPS Interface	NMEA0183		
Tide Correction	Prediction based on tide stations		
Hydrographic Compliance*	N/A	N/A	IHO Order 1a
* Requires appropriate sensors			
Display Modes			
Acoustic	Sonar view		
Acoustic	Single / Triple beam view		
Acoustic	Sidescan view		
Mapping	2D and 3D mapping (Colour/mono)		
Advanced Mapping	Fish, Chart, Backscatter & Contour Overlay options		Watercolumn, Chart, & Contour Overlay options
Display Windows	2 Display windows (Acoustic & Charting), with User-configured 1/2/3-way split-panels per window (maximum of 6 panels)		Acoustic Display (1): 1/2/3/4-way split-panels; Navigator Display (2): 1/2 way split-panels (User-configured)
Tools			
General	Zoom, Pan, Vertical Scale, Goto, Add Measure, Profile Window		
Marks	At Vessel/Cursor/Ship. Colour, Type, Name Options		
Ship	Centre on ship, North Up, Head Up, Show/Hide Track		
Database Management	Record, Edit & Export capability		
Hardware			
Transducer	Suits In-hull tank mount / Pole Mounting, with 5/10/20m cable* (* gland optional; excludes pole assembly or tank assembly)		
Transceiver (BTxR)	Black box transceiver with ethernet output (suits bulkhead/floor mounting)		
Processor	High Performance Marine Processor with keyboard and trackball	High Performance Advanced Ruggedized Fanless Marine Processor with keyboard and trackball	
Display Monitors			
Display Monitors	Single Display installation: FHD (1920x1080 recommended); or Dual displays installation (Dual monitor installation is recommended): XGA (1024x768) up to full FHD*		Dual Monitor configuration recommended. Minimum resolution: 1024x768
*Not included (local supply)			
Power Supply			
Transceiver	24 VDC, 70 W	24 VDC, 150 W	24 VDC, 70 W
Processor	9-30 VDC, ~ 1.5 Amp @ 24 VDC		9-32 VDC (Optional external AC-DC adaptor available)
Dimensions & Weight			
Transducer Dimensions (LxWxH, mm)	330 x 168 x 98	533 x 340 x 133	330 x 168 x 98
Transducer Weight	15 kg with standard 10m cable	39 kg with standard 20m cable	15 kg with standard 10m cable
Transceiver (BTxR) Dimensions (LxWxH, mm)	535 x 221.5 x 180		
Transceiver (BTxR) Weight	5kg		
Processor Dimensions (WxDxH, mm)	279 x 337 x 102		230 x 205 x 75
Processor Weight	5.7kg		3.8kg
Environmental			
Temperature	0 to 40° C.		
Relative Humidity	5 to 95% non condensing.		
Data Interface			
Input*	NMEA0183 & RS232		
*WASSP requires (3rd party) position, heading, roll, pitch and heave data for electronic beam compensation/stabilization (not included - local supply). See your local WASSP expert for more information/clarification.			
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3rd Party Software Compatibility			
Software Interfaces*	Olex Sodena MaxSea TZ	HYPACK/HYSWEEP® QINSy® GSF logging MaxSea TZ	
* Requires WASSP Interface Module & Excludes 3rd Party Software (contact your local supplier for software component pricing)			

Specifications subject to possible change without notice.



WASSP Ltd.

65 Gaunt Street
Westhaven
PO Box 5849
Auckland
New Zealand

Phone: +64-9-373 5595
Fax: +64-9-379 5655
Email: sales@wassp.com
Website: www.wassp.com

