

Comparison table for speed logs

Function	EML224 Graphic	EML224 Compact	DL850 (270)	DL1-Multi	DL2	S2	DL21	SL1200 Satlog	SD21 Satlog
Speed through water - STW (Number of axes)	2 Axes	2 Axes	2 Axes	1 Axis	2 Axes	No	2 Axes (DL2) 1 axis (DL1)	NO	1 Axis
Speed over ground - SOG (Number of axes)	NO	NO	3 Axes	No	3 Axes	3 Axes	3 Axes	3 Axes	3 Axes
Distance through water	YES	YES	YES	YES	YES	YES	YES		YES
Distance over ground *not used As SOG parameter canbe unavailable at times			*		*	YES	*	YES	YES
Working method	Electromagnetic	Electromagnetic	Doppler	Doppler	Doppler	Sattelite (GPS / Glonass)	Doppler	Sattelite (GPS / Glonass)	Sattelite (GPS / Glonass) STW Doppler
Frequencies in use			270	715	265 277 850-910		265 277 715		715 (DL1)
Supply input 110-220VAC	YES	YES	YES	YES	YES	YES	YES for DL2 only	YES	YES for S2 only
Supply input 24VDC	YES	YES	YES	YES	YES	YES	YES	YES	YES
NMEA Outputs	2	2	2	4	4	4	4+4	1	4+3
NMEA inputs	2	1	2	1	2	2	2+1	2	2+2
LAN outputs (IEC61162-450)	0	0	0	1	2	2	2+1	1	2+1
analog outputs 0-10V or 4-20mA	3*	0	3*	1	0	0	1(DL1)	0	1 (DL1)
Auxilliary inputs (isolated)	1	0	1	2	1	1	1+2	0	1
Auxiliary outputs	3*	2 (Pulse)	3*	2	2+relay	2+relay	2+relay+2	0	2+ relay
Ranges			120-150m		150-200m		150-200m		
Temperature	YES	YES	YES	YES	YES	YES	YES		YES
Depth			YES		YES	YES	YES		
Tilt				YES	YES	YES	YES		YES
Heading (Not approved as primary source)						YES		YES	YES
Position (Not approved as primary source)						YES		YES	YES
Built in test	NO	YES	YES	YES	YES	YES	YES		
Minimum range	0.1 m	0.1 m	2m	2m	2m				
STW measurement depth range	0m	0m	0.5-12m	0.5-3m	0.5-3m		0.5-3m		0.5.3m (DL1)
Auto functions	FULL	FULL	Basic	calibration support	calibration support	Full		Full	Full
Logging	No	Via RS232	on CF Disk	via LAN	on USB	On USB/SD	on USB	via LAN	On USB/SD

Function	EML224 Graphic	EML224 Compact	DL850 (270)	DL1-Multi	DL2	S2	DL21	SL1200 Satlog	SD21 Satlog
Power output (rms) Nominal/Max									
Diagnostic screen		No	Scope/Value	Value/Self test	Value/Self test	sattelites	Value/Self test	sattelites	sattelites
Remote software (INS ready)		No	NO	YES	YES	Yes	YES	YES	YES
Multiple screens		No	NO		YES	Yes	YES	No	YES
Web interface		No	NO	YES	2020		2020	2020	2020
Remote dimming	YES	No	NO	YES	YES NMEA (Dimming setup page 2020)		YES NMEA (Dimming setup page 2020)	YES NMEA (Dimming setup page)	YES NMEA (Dimming setup page)
Repeater compatilby	IR301 CD401MR	IR300** CD401MR	IR300** CD401MR	IR300 CD401MR	IR300 CD401MR		IR300 CD401MR	IR300 CD401MR	IR300 CD401MR
Alarm methods ALF , ALR	No alarm	No alarm	No alarm		YES		YES (on DL2)	No alarm	No alarm
Auxilliary functions									
Reverse (Double ended ferries)	YES		YES	YES	NO (coming 2020)	YES	YES	No	YES
Speed limit	YES		YES	YES	YES	YES	YES	No	YES
Pulses STW	YES	YES	YES	YES	YES	YES	YES	No	YES
Pulses SOG			YES		YES				
Special/Extra Functions									
Mute			S version		Option code	No			
Ping output					YES	No	Yes (DL2)		
1% extra features					Option code	No			
Alarms according to IEC62288					Slow fast ALF		Slow fast ALF		
Other functions available			depth		depth	heading position	depth	heading position	heading position
Life Phase Normal = No plans of end of life, Mature = Soon End of life (1 Year EOL warning will be given)	Mature (End of life Q4:2020)		Mature (End of life Q4:2020)	Normal	Normal Graphic version 2020		Normal	Normal	Normal
Equivalent / alternative products	EML1200 / EML2 (Q4:2020) EML Compact	EML1200 / EML2(Q4:2020)	DL2	DL1100 (Q4:2020) DL1-Multi-graphic (Q4-2020)			DL21 Graphic (Q4:2020)		
Support software and tools		Service Software	Service Software	Service Software	Service software	Service Software	Service software	Service software	Service software
Classifications	MED B	MED B	MED B	MED B	MED B		MED B	MED B	MED B
Expected use	Stand alone	Stand alone (INS Q4:2020)	Stand alone	Stand alone (INS Q4:2020)	Standalone / OEM / INS	Standalone / OEM / INS	Standalone / OEM / INS	Standalone / OEM / INS	Standalone / OEM / INS