

Comparison table for Echosounders

Function	GDS101	GDS102	ESN100	ESN200
2 simultaneous Channels		X		X
Frequencies available (kHz)	38/50/200	10-265	50/200	24/30/33/38/50/100/200/210
Approval of 38kHz				X
Supply input 110-220VAC	X	X		X
Supply input 24VDC	X	X	X	X
Max Power consumption (typical)	70W	70W	10W(6W) - Display + 15W JB40	10W(6W) - Display + 20W JB70
NMEA Outputs	2	2	1	5+3
NMEA inputs	2	2	2	3+2
LAN outputs (IEC61162-450)	0	0	1	2
analog outputs 0-10V or 4-20mA	3*	3*	0	0
Auxilliary inputs (isolated)	1	1	0	1
Auxiliary outputs	3*	3*	0	2
Ranges	5-1600	5-5000	5-1000	5-5000

Expected ranges with transducers	<ul style="list-style-type: none"> • 38kHz - 1300m • 50kHz - 750m • 200kHz - 300m 	<ul style="list-style-type: none"> • 24kHz - 2500 to 3500m • 38kHz - 1300m • 50kHz - 750m • 200kHz - 300m 	<ul style="list-style-type: none"> • 50kHz - 750m • 200kHz(s) 250m • 200kHz - 350m 	<ul style="list-style-type: none"> • 38kHz - 1300m • 50kHz - 750m • 200kHz(s) 250m • 200kHz - 350m • 24kHz - >2100m (max confirmed depth)
Minimum range	0.7	0.7	0.7	0.7
Auto functions	Limited (Range)	Limited (Range)	Full (Range/Power/Gain) TVG does not need adjustment	Full (Range/Power/Gain) TVG does not need adjustment
Logging	24h internal	24h internal	12h + web logging	12h + SD disk logging up to 5 years + USB logging
Power output (rms) Nominal/Max	600W/1000W	1000W/2000W	600W/600W	700W/1000W
Diagnostic screen	Scope/Value	Scope/Value	Scope/Value/Self test	Scope/Value/Self test
Remote software			X	X INS ready
Multiple screens				X
Web interface				2020
Printers available	Epson LQ350 (Parallel)	Epson LQ350 (Parallel)		Epson LQ350 (USB) OKI 280 Elite
Printer page printing	X	X		X
Printer Line printing	X	X		

Printer Network printing			X	X
Remote dimming			NMEA (Dimming setup page)	NMEA or pulse (Dimming setup page)
Repeater compatibility **IR301 is 1 channel only	IR301 CD401MR	IR301** CD401MR	IR301 CD401MR	IR301** CD401MR
Special Functions				
Mute	S version	S version	Option (NMEA)	Option
Ping now	S Version	S version		option
Sound speed adjust	S version (Manual)	S version (Manual)	Option (manual or NMEA)	Option (manual or NMEA)
Alarms according to IEC62288 /IEC62923-1	Shallow	Shallow	Shallow and Deep	Shallow and Deep
Life Phase Normal = No plans of end of life, Mature = Soon End of life (1 Year EOL warning will be given)	Mature (2019)	Mature (2019)	Normal	Normal
Support software and tools			Service Software	Service software
Classifications	MED B	MED B	MED B	MED B
Expected use	Stand alone	Stand alone	Stand alone	Standalone / OEM / INS