

C3D-LPM Lightweight Pole Mount

SYSTEM SPECIFICATIONS

SYSTEM

Sonar Frequency:	200 kHz
Optimum Operating Depth:	0 to 100M
Side Scan Range:	25 to 300 meters (82 - 984 ft) per side (200 kHz)
Bathymetric Range:	6-10 times altitude
Resolution (across track)	
Side Scan Sonar:	4.5 cm (1.8 in)
Bathymetry:	5.5 cm (2.2 in)
Beam Width:	1 degree (one-way)
Pulse Length:	25 μ sec to 1 msec (depending on range)
Repetition Rate:	Up to 30 pings/sec
Depression Angle:	40 degrees (default)
Transmit Source Level:	Maximum 224dB re: 1 μ Pa@1M
Vertical Resolution (Bathymetry):	5 cm
Optional Sensors:	Depth / CTD (FSI NXIC)(optional)
(sold separately)	Heading / Pitch / Roll (Sonardyne Radian) (optional)
	Altimeter (optional)
	Optical Gyro (optional)
	Motion Reference Unit (optional)

OVER-THE-SIDE MOUNT

Construction:	316 Stainless steel with high density polyethelene shell
Length:	100.0 cm (39.4 in)
Diameter:	17.5 cm (6.9 in) not including handles
Weight (in air):	19 kg (42 lbs)
Mounting:	Flange for mounting to a standard low pressure 3-inch pipe flange



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