

F38_kHz transducer [Fishing Echo Sounder]



Attention:

The F38_kHz transducer is one of five split-beam transducers of the [Fishing Echo Sounder \(Simrad EK 80 with ADCP\)](#).

Please note that operations of the Fishing Echo Sounder Simrad EK 80 requires experienced scientific staff on board. The system is not operated by the ship's crew. Announce operations with the Fishing Echo Sounder Simrad EK 80 to AWI-Logistics prior to the cruise and clarify the data transfer after the cruise.

Data quality of Fishing Echo Sounder Simrad EK 80 is decreased by operating other Echo Sounders. Repeatable disturbances were detected from simultaneously operating a) POSIDONIA, b) Deep Water Sounder Simrad EA 500 DWS, c) Sonar Doppler Speed Log DOLOG and d) Sediment Echo Sounder Parasound P70. Switch off these Echo Sounders for high data quality.

Summary

Manufacturer	Kongsberg
Model	Simrad EK80
Serial No.	n/a
Type	not assigned
REGISTRY-Link	REGISTRY (8407)

Transducer Frequency

Position

Info	xyz-position from Alignment Survey Report RV Polarstern (June 2016), located in box keel
X	73.311 m (X-0 is at the center of der rudder (ref. design drawing of the vessel), positive X-axis is forward and along vessel centerline)
Y	-0.507 m (Y-0 at centerline, positive Y-axis is portside)
Z	0.012 m (Z-0 is set to the lowest point of the keel, positive Z-axis is upwards)

Parameters

Parameter	O2ARegistry Output Type	Unit
distance at 38kHz	distance	m