

Model 302

50kHz to 200kHz

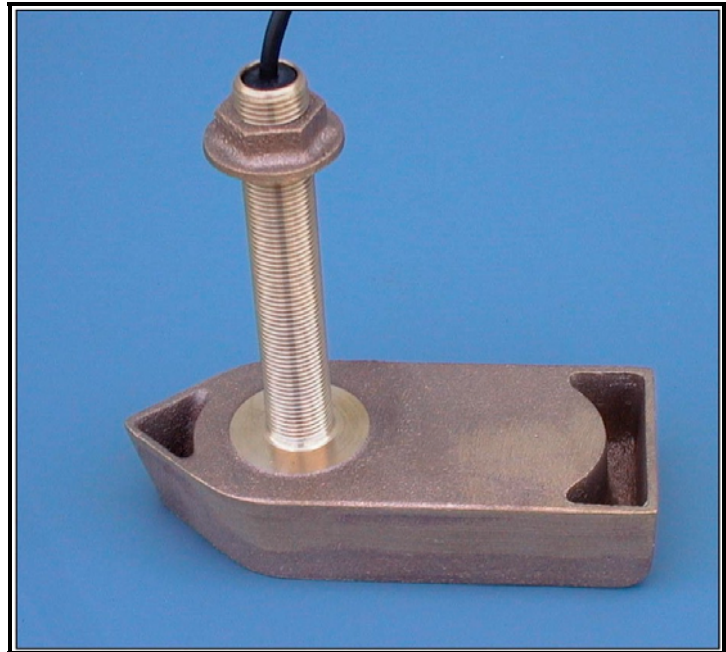
The Model 302 is a longer version of Model 301 to allow use of two separate elements for dual frequency service, such as 50 & 200 kHz. The housing material is cast bronze.

Options:

- Temperature sensor
- Dual frequency, single element, X2 50/200 kHz
- Dual beam (degrees):
 - 45 x 22 @ 50 kHz
 - 11 x 6 @ 200 kHz
- Fairing Block, FB302.

Applications:

- Fiberglass or wood hulls only.



Specifications:

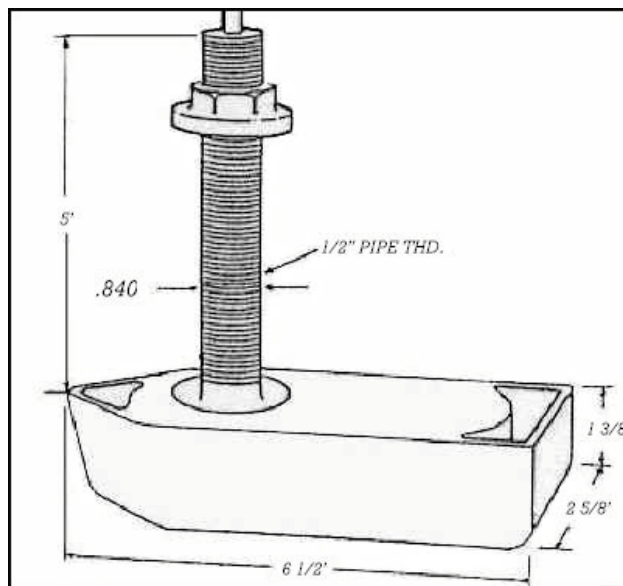
- Temperature
 - Type: Thermistor.
 - Value: 10k ohms at 25C.
- Weight: 6 lbs.
- Material: Cast Bronze.

Performance Data

FREQUENCY (kHz)	BEAM WIDTH (degrees @ -3db)	ELEMENT SIZE (inches)	CAPACITANCE (pf) NOTE (1)	IMPEDANCE (ohms) NOTE (2)	TRANSMIT RESPONSE (db) NOTE (3)	RECEIVE RESPONSE (-db) NOTE (4)	POWER RATING, RMS (watts)	COMMENT
200	18	1.1	965	550	157	-189	300	
200	12	1.45	1265	480	161	-182	300	
200	11	1.7	1900	300	163	-185	600	Dual frequency, 200 & 50 kHz

Performance Data Continued								
FREQUENCY (kHz)	BEAM WIDTH (degrees @ -3db)	ELEMENT SIZE (inches)	CAPACITANCE (pf)	IMPEDANCE (ohms)	TRANSMIT RESPONSE (db)	RECEIVE RESPONSE (-db)	POWER RATING, RMS (watts)	COMMENT
			NOTE (1)	NOTE (2)	NOTE (3)	NOTE (4)		
200	9	2.0	2185	385	165	-186	600	
160	20	1.1	885	750	158	-189	300	
160	11	2.0	1750	550	164	-183	600	
120	38	1.0	1050	500	167	-181	300	
120	14	2.0	1725	320	164	-171	600	
75	29	1.7	4200	200	160	-184	600	
50	45	1.7	1600	440	156	-173	600	Dual frequency, 200 & 50 kHz
50	43	2.0	4550	265	173	-184	600	

(1) with standard length cable. (2) equivalent series R in water. (3) the source level generated by one watt input. (4) the open circuit RMS voltage generated by a pressure of one microbar



Model 302 – Dimensional Data Not To Scale