

# **KNUDSEN**

# PINGER

**PORTABLE SHALLOW WATER  
CHIRP SUB-BOTTOM PROFILER**



Proudly Made  
In CANADA



[www.knudseneng.com](http://www.knudseneng.com)

613-267-1165



## PINGER SBP

Technical Specifications (subject to change without notice)	Low Frequency Channel		High Frequency Channel
	3.5kHz	15kHz	200kHz
<i>Dry End - Echosounder</i>			
Bandwidth	User configurable (up to 20kHz)		
Output Power	up to 2kW	up to 2kW	up to 1kW
Pulse Length (min / max)	62.5µs / 64 ms		62.5µs / 4 ms
Ping Repetition Rate (max)	20 Hz		
Gain	Manual, automatic (AGC), and time varied (TVG)		
Analog Gain	96dB programmable analog gain		
Time Varied Gain (TVG)	20logR, 40logR		
Zoom Display	Dynamic Window Positioning and Sizing		
Units	Meters, Feet, or Fathoms		
User Interface	Control using standard Windows PC		
Digital Data Formats	SEG-Y, XTF, KEB (Knudsen proprietary), ASCII		
Power Supply	24 Vdc		
Operating Temperature	0 - 50 degC		
Enclosure	Portable splashproof case		
Dimensions (length x width x height)	488mm(19.2") x 386mm(15.2") x 185mm(7.3")		
Weight	10.5kg (23lb)		
<i>Wet End - Transducer</i>			
Projector	KELAS701-3.5kHz	KEL291-15kHz	KEL491-200kHz
Impedance	100 Ohms	60 Ohms	60 Ohms
Peak Transmit Voltage Response	149dB	157.5dB	176dB
Receiver	KEL-Hydrophone		KEL491-200kHz
Beamwidth	30 deg @6kHz	12 deg @15kHz	9 deg @200kHz
Peak Receive Voltage Response	-197.2 dB re 1V/uPa		-191 dB re 1V/uPa
Dimensions (length x width x height)	864mm(34") x 514mm(20.25") x 381mm(15")		
Weight	21kg (46lb) - 15kHz Option		
	29kg (64lb) - 3.5kHz Option		
Cable Length	10m(33ft)		
Installation	Pole mount -over the side		



Fiberglass Fairing Assembly



Pinger Wet End shown as shipped

