

Simrad 200-7G

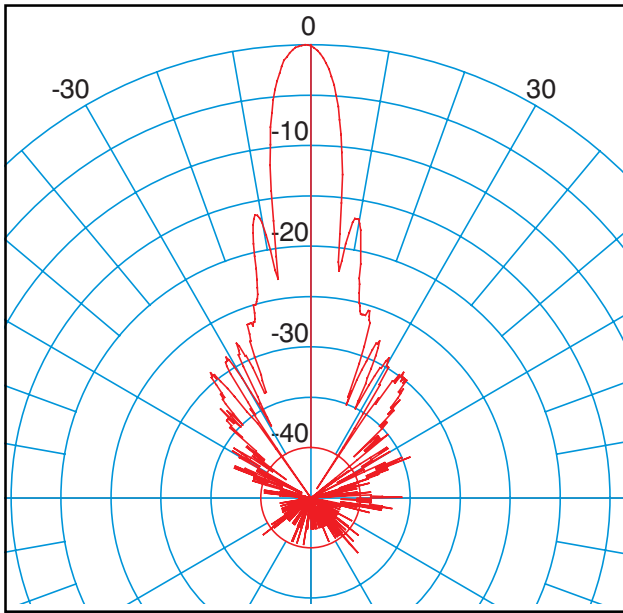
Transducer

The 200-7G is a single-beam transducer in a small housing, intended for portable use and for level measurements inside tanks.

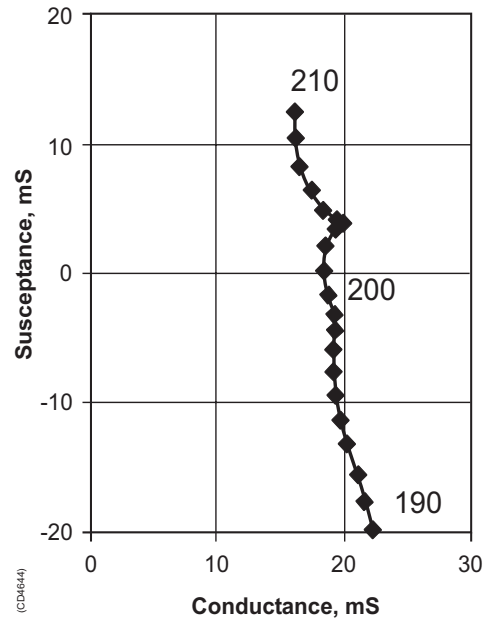


Technical specifications

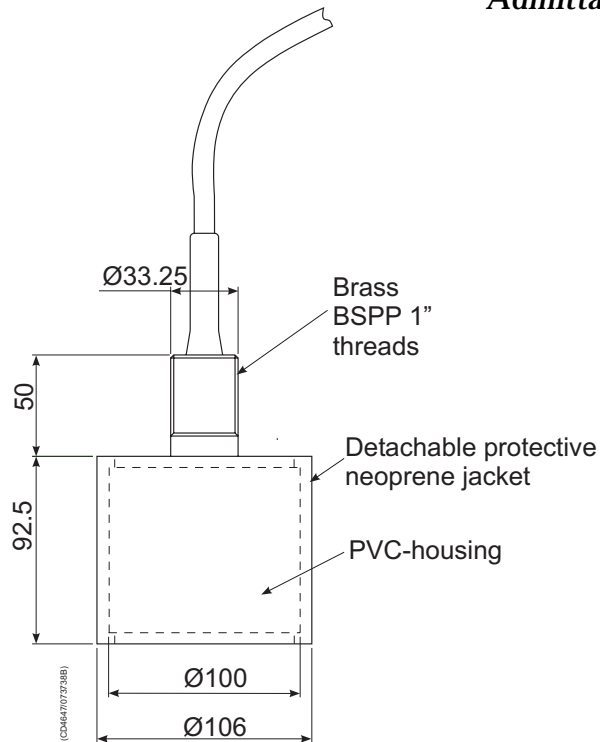
Resonant frequency:	200 kHz
Beamwidth, circular:	$7 \pm 1^\circ$
Directivity D:	$700 \pm 20\%$
DI=10logD:.....	28.5 ± 1 dB
Equivalent two-way beam angle:	
ψ	$0.008 \pm 20\%$
10 log ψ	-21 ± 1 dB
Side lobes:	< -15 dB
Back radiation:.....	< -30 dB
Nominal impedance:	60 ohms
maximum variation in Z :	45 - 80 ohms
maximum variation in phase angle:	$\pm 30^\circ$
Transmitting response:	215 ± 2 dB re 1 μ Pa per A
Receiving sensitivity, open circuit:	-185 ± 2 dB re 1V per μ Pa
Electro-acoustic efficiency:	0.70 ± 0.20
Maximum pulse power input:	1000 W
Maximum continuous power input:	20 W
Maximum transducer depth:	20 m
Maximum storage temperature:	+70°C
Minimum storage temperature:.....	-20°C
Cable length.....	15 m
Cable diameter:	10 mm
Weight without cable:.....	2 kg
Weight with cable:	4 kg



Beam pattern



Admittance



Outline dimensions

Note that specifications may be changed without prior notice.

Manufacturer:

Simrad AS
 Strandpromenaden 50
 PO.Box 111
 N-3191 Horten
 Norway
 Telephone: +47 33 03 40 00
 Telefax: +47 33 04 44 24