

**SPECIFICATIONS OF BOTTOM DISCRIMINATION SOUNDER  
BBDS1**

**1 GENERAL**

- 1.1 Output power 600 W/ 1 kW rms nominal, 1 kW requires optional MB-1100
- 1.2 TX frequency 50 kHz or 200 kHz, 50/200 kHz alternating
- 1.3 Amplifier type Wide dynamic linear amp (double superheterodyne)
- 1.4 Measuring function Fish length measurement, Bottom discrimination,  
Heave compensation\*, Frequency auto-setting from transducer-ID  
data (specified transducer)  
\*: optional sensor required
- 1.5 Network protocol Ethernet 100BASE-TX
- 1.6 Depth range and Pulse Repetition Rate

Range (m)	PRR (/min.)
2	3000
5	3000
10	1990
40	485
100	195
200	95
400	65
1200	34

**2 POWER SUPPLY**

12-24 VDC: 1.1-0.4 A (at 1 kW output)

**3 ENVIRONMENTAL CONDITION**

- 3.1 Ambient temperature -15°C to +55°C
- 3.2 Relative humidity 93% at 40°C
- 3.3 Degree of protection IP20
- 3.4 Vibration IEC 60945-4

**4 UNIT COLOR**

N3.0