

Onwa Class B Automatic Identification System (AIS) AIS Transponder (Transmitter and Receiver)

KS200A



- Physical:**
- Dimension : 207mm (length) x 155.8mm (Width) x 50mm (Height)
 - Weight : 0.8kg
- Power:**
- Input: 10 ~ 35VDC
 - Power consumption 0,35A nominal , 2A peak
- Electrical Interface:**
- RS232 38.4kbaud bi-directional
- Environmental:**
- IEC 60945 (Cat C)
 - Operating Temperature: -25°C to +55°C

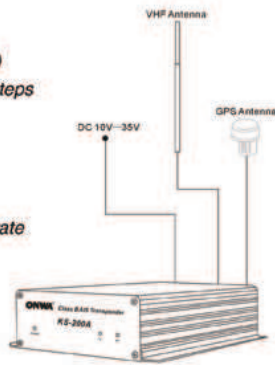
- GPS Receiver (AIS Internal)**
- IEC 61108 -1 compliant

Connectors

- VHF Antenna connector PL259 female
- GPS Antenna connector BNC female
- RS232 data connector Female 9 Way D-type

VHF Transceiver

- Transmitter x 1
- Receiver x 2 (one time shared between AIS/DSC)
- Frequency : 156.025 to 162.025 MHz in 25KHz steps
- Output power 33dBm ± 1.5dB
- Channel bandwidth: 25KHz
- Modulation modes 25KHz GMSK / AFSK
- Bit rate 9600 b/s GMSK & 1200 b/s FSK
- RX sensitivity < -107dBm at 20% packet error rate



AIS Receiver

KS200B



- Physical:**
- Dimension : 207mm (length) x 155.8mm (Width) x 50mm (Height)
 - Weight : 0.8kg
- Power:**
- Input: 10 ~ 35VDC
 - Power consumption 0,35A nominal , 2A peak
- Electrical Interface:**
- RS232 38.4kbaud bi-directional
- Environmental:**
- IEC 60945 (Cat C)
 - Operating Temperature: -25°C to +55°C

Connectors

- VHF Antenna connector PL 259 female
- RS232 data connector Female 9 Way D-type

VHF Receiver

- Receiver X2 (one time shared between AIS/DSC)
- Frequency : 156.025 to 162.025 MHz in 25KHz steps
- Channel bandwidth: 25KHz
- RX sensitivity < -107dBm at 20% packet error rate

Compliant with the following standards:

- IEC62287-1 (IEC standard, Class B shipborne equipment)
- IEC60945 Edn 4.0 (IEC standard, environmental requirements)
- ITU-RM. 1371-1 (Universal AIS Technical Characteristics)
- IEC61162-1 Edn. 2.0 (IEC standard, digital interfaces part 1)
- IEC61108-1 (IEC standard, GPS receiver equipment)

