



PERIO

ATON FOR PERIO DATASHEET

Author: MKR
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Version: 1.0



MODEL

Product code	Type 1 : 418-0009 (TR), 418-0010 (TRS) Type 3 : 418-0001 (TR), 418-0003 (TRS)
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VHF TRANSCEIVER

Transmitter	X1
Receiver	X2
Frequency	156.025 to 162.025 MHz in 25KHz steps
Output power	1W, 2W, 5W or 12.5W
Channel bandwidth / step	25KHz; 25KHz GMSK (AIS, transmit and receive)
Bit rate	9600 b/s (GMSK)
Receiver sensitivity	<-110dBm at 20% PER
Adjacent channel selectivity	70dB
Spurious response Rejection	70dB

GPS RECEIVER & ANTENNA

Number of channels	50 channels
Compliance	IEC 61108-1 compliant
GLONASS Option	Yes

PHYSICAL

Dimensions	19" Rack 1 U (depth 260 mm)
Interfaces	1x Ethernet, 1x Power Supply, 1x VHF Antenna, 2x GPS Antenna

ELECTRICAL

Power supply	12 V DC
Power consumption Type 3 AtoN (RATDMA)	Less than 0.8 Ah/day (with 3 minute position reporting rate)

ENVIRONMENTAL CHARACTERISTICS

Operating temperature	-40 to +85 deg C
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Storage temperature:	-40 to +85 deg C
Humidity	95% non-condensing
IALA Guidelines	
Guidelines	- 1062, AIS as an Aide to Navigation (AtoN) - 1081, Virtual AtoN - 1095, Implementation of Application-Specific Messages
IALA Recommendations	
	- IALA A-126, The Use of the AIS in Marine AtoN Services - IALA O-143, On Virtual Aids to Navigation
Certification	
RED certification	IEC 62320-2:2016

Version	Date	Author	Description
1.0	11/12-20	MKR	Document created