



AtonisPro Zone 1 Certified

AtonisPro Zone 1 is an Aids to Navigation AIS Transponder for use on Offshore Production Facilities to alert vessels to the location of offshore structures.



AtonisPRO is available in Type 1 or 3 models and has the capability to transmit all standard AIS AtoN, Weather and Hydrological messages, as well as monitoring the AtoN equipment installed on offshore platforms. ATONISPro is also software configurable to transmit an addressed safety-related Message 12 to an AIS-transmitting vessel when it comes within a user configurable, pre-set range to the facility and can transmit Message 21 for synthetic or virtual buoys in proximity to the platform.

ATONIS PRO configuration is accomplished via RS-232 or an optional Bluetooth™ connection for in-field servicing without having to go aboard or lift a buoy to access the transponder.



AtonisPro Zone 1

Features

- ATEX certified Ex 'd' Zone 1 Enclosure
- BSH Approved
- Compliant with IALA A-126; IEC 60945 and IEC 62320-2; ITU-R M.1371
- Transmit standard AIS Aton Message 21
- Transmits Msg 21 for up to 4 virtual or synthetic buoys (e.g., mooring buoys or marker buoys)

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SPECIFICATIONS

Height:	683 mm (26 7/8")
Weight:	20 kg (44 lbs.)
Input Voltage:	9-32 VDC; Overcurrent and Reverse Polarity Protection
Power Consumption:	
Continuous Mode ¹ :	250 -500 mW (0.5 - 1 Ah per 24 hour period)
Lean Operation Mode ² :	25 - 50 mW (50 mAh - 100mAh per 24 hour period)
Transmit Power (ERP):	1 watt for Zone 1 applications ³ Non-Zone 1 installations power is configurable for 1, 5 or 12.5 watts
Monitoring:	2 digital and 2 analog inputs; additional 4 digital and 4 analog inputs with use of optional interface board
AIS Messages:	21, 6, 8, 12, and 14
Frequency Range:	155 – 163 MHz, 25kHz bandwidth, Configurable
Receiver Sensitivity:	Better than -112 dBm PER 20%
VHF and GPS Antennas:	Internal
Operating Temperature:	-15 ° to +50°C
Ingress Rating:	IP-67
Certificates:	BSH, CE, R&TTE Directive (EC/1999/5)

¹ AIS AtoN report every three minutes IAW ITU-R M.1371.

² Monitoring of AtoN status, position, and AIS reporting once every 10 minutes. Lower duty cycles will result in lower power consumption.

³ EIRP limited to 3.5W for IIC atmosphere; maximum permissible antenna gain of 5.4 dBi.

*Specifications subject to change without notice.

