

VegaAIS AtoN Station External Photos

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Version History

Version	Released	Description
1.0.0	15 th Dec 2014	Initial Release

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Product Identification

Product Family	VegaAIS AtoN Station
Manufacturer	Vega Industries Ltd, 17/21 Heriot Dr, Porirua 5022, New Zealand
OEM Module Manufacturer Details	Vesper Marine Ltd., 45 Sale St, Freeman's Bay, Auckland 1010, New Zealand
Model Numbers	VAIS-1S, VAIS-1E, VAIS-3S, VAIS-3E
Power Supply	10 – 36 VDC
Frequency Range	156.025 – 162.025 MHz
Transmit Power	41dBm (12.5W), 33dBm (2W)
Modulation Technique	FM GMSK
Channel Spacing	25kHz
Temperature Range	-30 - +60°C
Intended Users	Port Authorities, Harbourmasters, Maritime Authorities
Enclosure	IP68

External Photos – VegaAIS Standard (VAIS-1S, VAIS-3S)

The following photographs apply to the Type 1 Standard (VAIS-1S) and Type 3 Standard (VAIS-3S) models. The only external physical difference between these models is the model designation on the main label.



VegaAIS Standard – top view (Type 1 model shown)



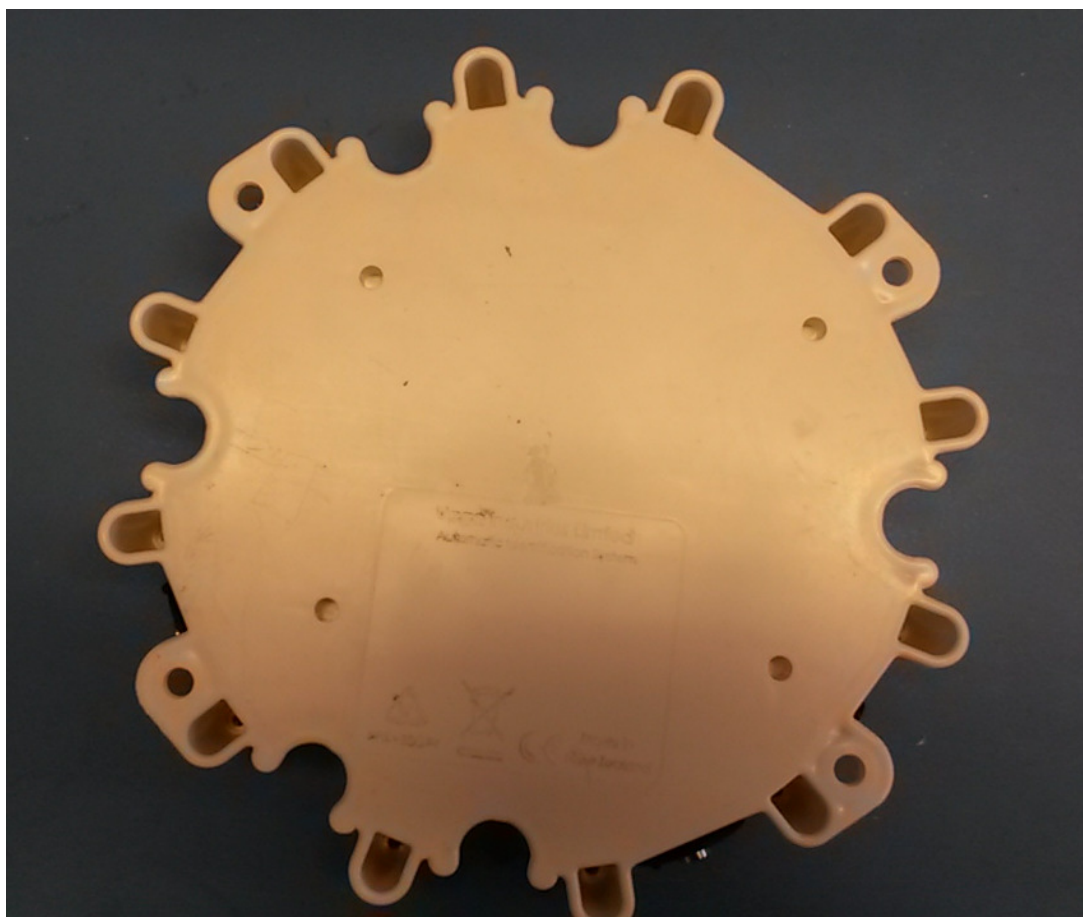
VegaAIS Standard – side view 1



VegaAIS Standard – side view 2



VegaAIS Standard – side view 3



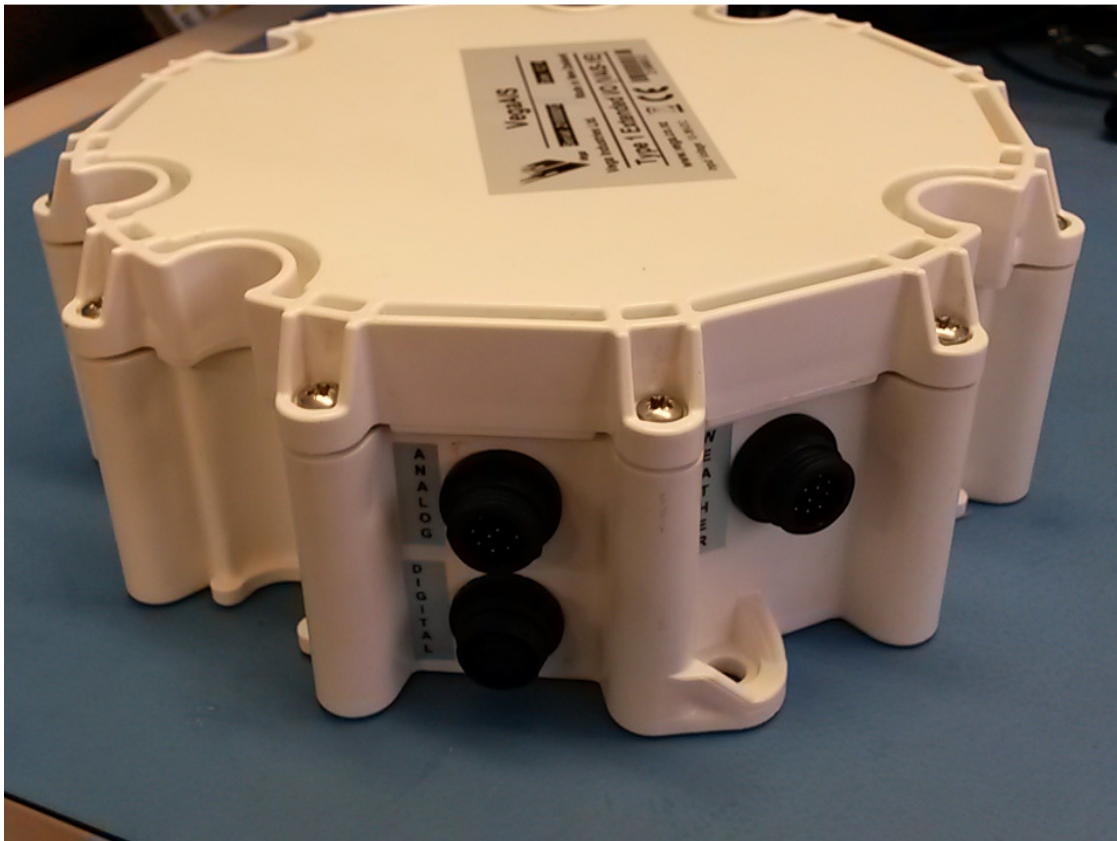
VegaAIS Standard – bottom view

External Photos – VegaAIS Extended (VAIS-1E, VAIS-3E)

The Extended I/O versions of the VegaAIS unit are identical to the Standard models with the exception of three additional connectors for the additional inputs, outputs and communication ports.

The Type 1 Extended (VAIS-1E) and Type 3 Extended (VAIS-3E) models differ only in the designation on the main label.

The additional connectors are shown in the side view below.



VegaAIS Extended Model – side view showing extra connectors

External Photos – VegaAIS with Current Sensor Pod

Both the standard and extended VegaAIS units may be fitted with a current sensor pod. This is an additional enclosure that is sandwiched between the main enclosure and the lid and houses the current sensor boards and terminals.



VegaAIS with Current Sensor Pod – side view 1



VegaAIS with Current Sensor Pod – side view 2



VegaAIS with Current Sensor Pod (Standard version shown) – side view 3

External Photos – Connectors

Except where noted in the caption, the following photos apply to all models.



Beacon connector and LED indicator



GPS Antenna Connector



RF Antenna Connector



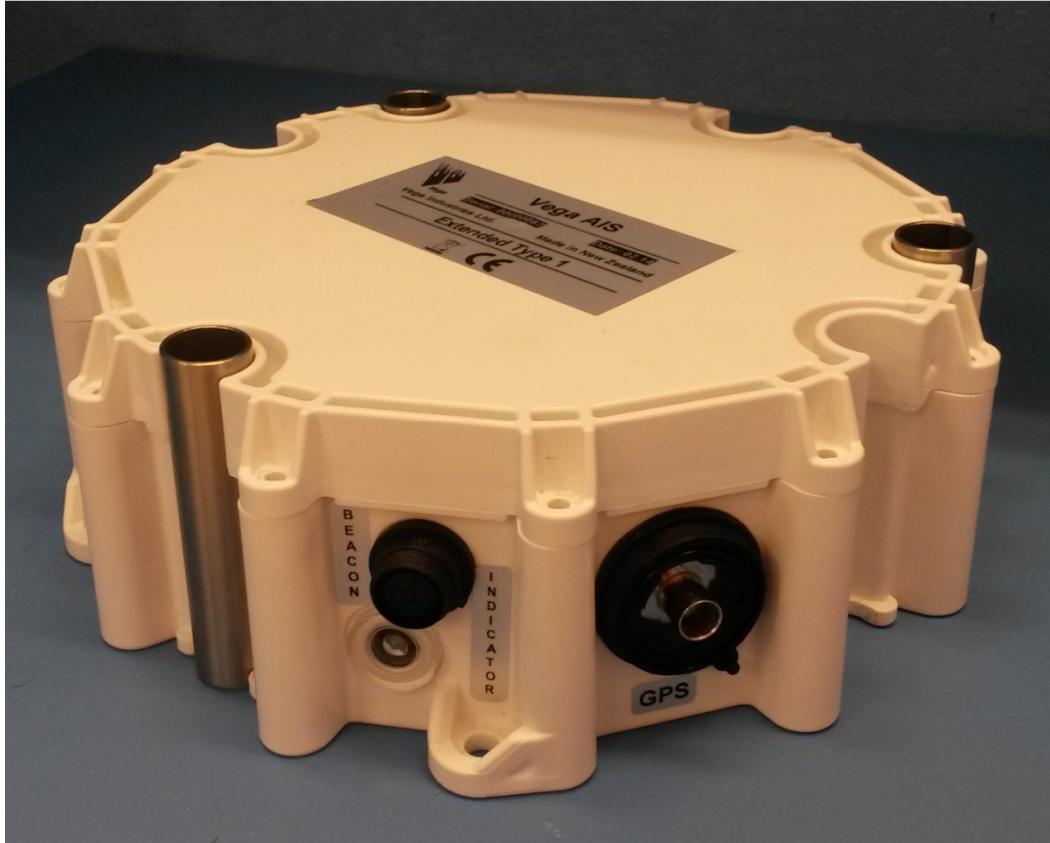
Extended I/O Analogue and Digital Connectors (Extended Models Only)



Weather Station Connector (Extended Models Only)

External Photos – Anti-Crush Tubes

The VegaAIS unit is designed to be mounted under a beacon mounted on the standard 3 or four hole mount on a 200mm PCD. When used in this configuration, stainless steel anti-crush tubes are fitted so the weight of the beacon is not supported by the plastic body of the VegaAIS unit.



Anti-crush tubes shown on VegaAIS unit – no current sensor pod



Anti-crush tubes shown on VegaAIS unit –with current sensor pod