



VIS KIT NAI SWS100



SKU: N/A

Categories: [Fog Signal](#), [Systems](#), [All Products](#)

GALLERY IMAGES



PRODUCT DESCRIPTION

ORIGINAL NAI VISIBILITY METER

- Hard anodized body and stainless-steel junction box for superior performance against corrosion
- Accurate and reliable in all weather conditions
- Not influenced by local lights sources, even those that flash
- Seamless integration onto the Sabik Offshore NAI bus
- Easy mounting and simple electrical connection
- Low power consumption

The VIS-KIT-NAI-SWS100 combines the Biral SWS-100 visibility meter with the Sabik Offshore NAI system.

A hard anodized body and stainless-steel junction box allows for superior performance against corrosion in harsh offshore environments.



Seamless integration into the Sabik Offshore NAI system allows for the automatic triggering of audible and visual aids to navigation. The visibility meter makes use of the forward scatter measurement principle to ensure accurate and reliable detection of low visibility in all weather conditions.

Technical Data

DIMENSIONS & WEIGHT

Width	812 mm
Height	598 mm
Depth	287 mm
Weight	12 kg

MATERIAL

Housing Junction Box	Stainless-steel 316 L / 1.4404
Bracket	Stainless-steel 316 L / 1.4404
Biral-SWS-100	Aluminium, hard anodized to MIL-A-8625 Type III Class 1*
Cable Gland	Nickel-plated copper

VISIBILITY AND PRECIPITATION MEASUREMENTS

Measurement range (factory-set)	2 km (1.08 NM)
Measurement accuracy	Error \leq 5.1 % at 2 km
Measurement principle	Forward scatter meter with 39° to 51° angle, centered at 45°

ELECTRICAL CONNECTION

Electrical connection	Spring terminal block, max. 2.5 mm ²
Operating voltage VIN	DC 24.0 V (-25 % / +25 %)
Power consumption	5.2 W

ENVIRONMENTAL CONDITIONS

Ambient temperature (operation)	-25 °C to 55 °C
Ambient temperature (storage / transport)	-40 °C to 70 °C
Humidity (operation / storage / transport)	95 % r.h. up to 45 °C 70 % r.h. for T > 45 °C
Atmospheric pressure (operation / storage / transport)	80 kPa to 108 kPa
Degree of protection (according to IEC 60529)	IP66 / IP67

Lightning protection zone (acc. To IEC 62305-4:2010)	LPZ0B
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ELECTRICAL SAFETY AND HEALTH

Protection class	Class III
Overvoltage protection	Class III



Pollution degree

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